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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	55.351	41.174	55.550	-	55.550	53.139	53.718	59.291	60.540	Continuing	Continuing
MD03: <i>Joint Warfighter Support</i>	52.986	39.484	52.765	-	52.765	50.501	51.145	56.419	57.522	Continuing	Continuing
MD40: <i>Program-Wide Support</i>	2.365	1.690	2.785	-	2.785	2.638	2.573	2.872	3.018	Continuing	Continuing

**Note**

N/A

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

The Joint Warfighter Support Program enables the Warfighter and the Developer to work together to coordinate:

- Information/analysis through technical reviews and technical analysis development to support shot doctrine development
- System attributes, capability needs, and the identification of gaps and seams in war fighting capability
- Inputs to BMDS development and product improvements (through Modification and Fielding Requests)
- Timely responses to Warfighter Requests for Information and Requests for Analyses to support contingency and routine BMDS operations
- BMDS objectives incorporated into Combatant Commander and Developer-sponsored wargames and exercises

The Joint Warfighter Support Program enables the effective delivery of BMDS capabilities to the Warfighter and ensures Warfighter participation in the identification and development of new capabilities via the Warfighter Involvement Process. The Joint Warfighter Support Program is executed within a single project, Joint Warfighter Support, through the performance of the following major functions/tasks:

- Enable Joint Staff and Service collaboration on BMDS issues by providing strategic level interfaces from MDA, to the Military Services, COCOMs, the Joint Staff, and the Office of the Under Secretary of Defense for Policy (OSD (P))
- Focus on cross-Departmental initiative (such as the transition of BMDS Elements to the Services and emergency deployments of BMDS capabilities), and cross-Departmental Corporate Boards (such as the Missile Defense Executive Board)
- Develop and maintain the BMDS Operational Readiness Reporting System (BORRS) to track and report up to the minute BMDS operational readiness, configuration control and situational awareness information and provide technical assistance that enables senior leader decisions and also provides data for accurate operational availability and reliability cost drivers
- Develop and maintain the Integrated Scheduling Tool (IST) for global asset management operational scheduling of Homeland Missile Defense, Missile Warning and Space Surveillance, and Regional / Theater Missile Defense
- Current operations execution through the MDA Operations Support Center (OSC) at the Missile Defense Integration and Operations Center (MDIOC)

MD40 consists of Program-Wide Support (PWS) non-headquarters management costs in support of MDA functions and activities across the entire Ballistic Missile Defense System (BMDS).

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0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
Previous President's Budget	68.726	41.225	58.089	-	58.089
Current President's Budget	55.351	41.174	55.550	-	55.550
Total Adjustments	-13.375	-0.051	-2.539	-	-2.539
• Congressional General Reductions	-0.399	-0.051			
• Congressional Directed Reductions	-10.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-2.976	-			
• Other Adjustment	-	-	-2.539	-	-2.539

**Change Summary Explanation**

FY 2011: The FY 2011 decrease of \$13.375M is reflected as follows:

- \$10M congressional directed reduction in the Department of Defense and Full Year Appropriation Act, 2011 (Public Law 112-10)
- \$2.976M Small Business Innovation Research Program/Small Business Technology Transfer (SBIR/STTR)
- \$0.399M realignment to DoD priorities

FY 2012: The FY 2012 decrease of \$.051M reflects a realignment to DoD priorities

FY 2013: The FY 2013 decrease of \$2.539M reflects a realignment to DoD priorities

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<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>				<b>PROJECT</b>			
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>				MD03: <i>Joint Warfighter Support</i>			
<b>COST (\$ in Millions)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
MD03: <i>Joint Warfighter Support</i>	52.986	39.484	52.765	-	52.765	50.501	51.145	56.419	57.522	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

**Note**

N/A

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

The Joint Warfighter Support Program is planned and executed jointly by the Warfighter Strategic Integration Directorate and the Warfighter Operational Support functions within the Test Directorate. The Warfighter Strategic Integration Directorate executes BMDS Operational Support and BMDS Education and Training and is responsible for interfacing and coordinating with the Functional Combatant Commands, the Joint Staff and Military Services. Within the Test Directorate, the Warfighter Operational Support function executes Wargames and Exercises and BMDS Capability Delivery and is responsible for interfacing with Geographic Combat Commands.

Joint Warfighter Support is comprised of six primary functions/responsibilities/tasks: 1) Geographic Combatant Commander Support; 2) Joint Staff, Military Service, STRATCOM, NORTHCOM, and JFCC Integration; 3) Current Operations Support; 4) Exercises and Wargames; 5) BMDS Training and Education; 6) Plans and Capability.

Joint Warfighter Support acts as the Agency coordination element to provide Executive secretarial support to Operational Forces Standing Committee as required and coordinate Agency internal coordination for the Warfighter Involvement Process (including Primary Capability List/Modification and Fielding Request List element workups).

1) Geographic Combatant Commander Support

The Warfighter Strategic Integration Directorate is responsible for interfacing with Geographic Combatant Commands (GCCs) for BMDS capabilities delivered and for assessing MDA's ability to provide current and future capabilities to meet war fighting needs.

-The Warfighter Strategic Integration Directorate coordinates with the GCCs for asset management processes and assisting in planning, capability delivery and fielding assets as required

-The Ground Test Execution Directorate interfaces with the Combatant Commands at US Pacific Command, US European Command, and US Central Command

-Provides operational readiness reporting in accordance with USSTRATCOM Instructions on BMDS assets

-Synchronize the execution of Warfighter Operational and Sustainment Requirements

-Maintain BMDS Configuration Control through the positive control of test, development, and operational activities in accordance with USSTRATCOM Instruction 538-1 and approved configuration documentation

-Provide Asset Management training and support in response to Warfighter requirements

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<p>-Manage the MDA process for responding to Warfighting Requests for Analysis and Requests for Information (RFA/RFI)</p> <p>2) Joint Staff, Services and Combatant Commander Integration The Developer-Warfighter Interface continues to be critically important for the effective and efficient fielding of BMDS capabilities worldwide. To this end, the Warfighter Interface Integration Directorate maintains a Joint Staff, Service and Combatant Commander integration responsibility.</p> <p>3) Operations Support The Warfighter Strategic Integration Directorate performs the critical and unique function of providing around the clock BMDS Operations Support to MDA leadership and Warfighter stakeholders at Combatant Commander staffs, Functional Component Commands and military units. Current operations support includes but is not limited to: maintaining the MDA Operations Support Center at the Missile Defense Integration and Operations Center (MDIOC) at Schriever AFB, CO 24 hours a day, 7 days a week, 365 days a year and the MDA Mission Operations Center at MDA Headquarter 5 days per week, 16 hours per day; maintain the Integrated Scheduling Tool (IST) to include the planning and execution of scheduled maintenance, upgrades and testing using the Asset Management System; maintaining strict control of BMDS architecture configurations consistent with the Operations Capacity Baseline and Event Owner needs as properly scheduled; the measurement and accounting of BMDS Operational Availability, Equipment Readiness Rates and Warfighter Availability through the execution of BORRS; reporting Commanders Critical Information Requirements as defined by MDA leadership; maintaining a current and accurate BMDS Handbook; and readiness to support Warfighter Exercises or Real World Contingencies on short notice; Manage the MDA process for responding to Warfighter Requests for Analysis and Requests for Information (RFA/RFI); Perform BMDS Strategic Planning in concert with Joint Forces Component Command Integrated Missile Defense (JFCC IMD); Provide Geographic Combatant Command (GCC) Asset Management Training and staff augmentation as required.</p> <p>4) Exercises and Wargames Conducting exercises and wargames enables end-user mission training, qualification, certification and rehearsal of mission operations, strengthens user confidence in the current system and shapes development of the future BMDS. This activity enables the Warfighter to build missile defense plans and Tactics, Techniques and Procedures for the near term BMDS, and then tests execution of those plans via high fidelity simulations. It also incorporates system engineering and interoperability test activities, when possible, to leverage MDA materiel development events by providing real-world training to operators. This activity provides analysis support, as required, for each wargame and exercise to conduct data collection and analysis, and prepares and publishes an event After Action Assessment Report. Finally, exercises and wargames create the conditions for continued, in-depth foreign and/or international participation in BMDS operations and development. Geographic Combatant Commander Support enables key Warfighters to participate in selected MDA activities, wargames and exercises to obtain their input and feedback on the BMDS developmental processes. Every year BMDS overlays are incorporated into Combatant Command Tier 1 Exercises to enable end-user mission rehearsal and sustainment training, qualification and certification of BMDS operations. The yearly, or in some cases every other year, exercises are necessary for both familiarization of the user, but also to ensure capability upgrades accomplished in each BMDS capability upgrade are added to the exercise and training scenarios. By involving participating Combatant Commands in building coherent missile defense plans and Tactics, Techniques and Procedures for the near term BMDS, and then testing cohesive execution of those plans via high fidelity simulations, this effort optimizes BMDS operational effectiveness.</p>		

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5) BMDS Training and Education

This activity develops and maintains BMDS Training and Education at the system level that is not conducted by the Services. Courses for Joint Warfighters, Department of Defense officials and the Services provide critical knowledge on BMDS capabilities and system operation. The training focuses on how the elements of the BMDS interact in the joint environment and what is needed to employ those individual elements effectively as an integrated BMDS. A key part of this activity includes developing BMDS educational courses and conducting education and training of select BMDS stakeholders, staffs and organizations on emerging BMDS capabilities development. As new BMDS capabilities are transitioned to the field, upgrades and improvements will be incorporated to maintain the requisite level of training.

6) Plans and Capability Delivery

These functions enable effective operation of emerging and future BMDS material capabilities and technologies. These activities result in Warfighter development of new BMDS employment constructs and Concepts of Operation. They also serve MDA as the vehicle for the Warfighter Involvement Process which seeks user feedback and guidance to shape future capability development of the BMDS and serves as the lead for the conduct of operational readiness assessments and Military Utility Assessments for the BMDS and is the integration point for the Warfighter Requests for Information and Requests for Analyses. These processes also provide Joint Warfighter support to include, for example, Aegis Ashore site surveys and feasibility studies leading to the deployment of Command and Control/Battle Management Communications (C2BMC) and TPY-2 to OCONUS sites, and support to GMD firing doctrine analysis for Combatant Commanders.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2011	FY 2012	FY 2013
<b>Title:</b> Warfighter Operational Support / Wargames and Exercises	27.612	21.988	32.141
<b>Articles:</b>	0	0	0
<b>Description:</b> See Description Below			
<b>FY 2011 Accomplishments:</b>			
This plan was previously captured in budget project MD03 Exercise and Wargames (\$24.636 million), Warfighter Interface Management and Combatant Commander (COCOM) Support (\$2.429 million) and Plans and Capability Delivery (\$.547 million) and is now a part of Warfighter Operational Support / Wargames and Exercises.			
-AIR MISSILE DEFENSE 11-01 CENTCOME Exercise 2 2Q FY 2011			
-AIR MISSILE DEFENSE 11-01 CENTCOM Exercise 4 4Q FY 2011			
-International Symposium on Integrated AIR MISSILE DEFENSE SYMP 2Q FY 2011			
-ASSURED RESPONSE 04X Exercise Event 1Q FY 2011			
-ASSURED RESPONSE 04d Exercise Event 2Q FY2011			
-Global Defender Exercise Event 4Q FY 2011			
-Global Defender Exercise Planning 2Q FY 2011			

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-BMDS WARGAME Series Event 1Q FY 2011</li> <li>-EAGLE RESOLVE 11 Exercise Event 3Q FY 2011</li> <li>-GLOBAL LIGHTNING 11 Exercise Event 3Q FY 2011</li> <li>-GLOBAL THUNDER 11-1 Exercise Event 1Q FY 2011</li> <li>-GLOBAL THUNDER 11-2 Exercise Event 3Q FY 2011</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 1 &amp; 2 1Q FY 2011</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 3 &amp; 4 2Q FY 2011</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 5 &amp; 6 3Q FY 2011</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 7 4Q FY 2011</li> <li>-KEEN EDGE 12 Exercise Planning 3Q FY 2011</li> <li>-KEY RESOLVE 12 Exercise Planning 3Q FY 2011</li> <li>-MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 4Q FY 2011</li> <li>-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 2Q FY 2011</li> <li>-SHARP SENTRY Table Top Exercise 1 Event 2Q FY 2011</li> <li>-SHARP SENTRY Table Top Exercise 2 Event 3Q FY 2011</li> <li>-SHARP SENTRY Table Top Exercise 3 &amp; 7 Event 4Q FY 2011</li> <li>-TERMINAL FURY 11 Exercise Event 3Q FY 2011</li> <li>-TERMINAL FURY 12 Exercise Planning 3Q FY 2011</li> <li>-ULCHI FREEDOM GUARD 11 Event 4Q FY 2011</li> <li>-ULCHI FREEDOM GUARD 11 Planning 1Q FY 2011</li> <li>-VIGILANT SHIELD 11-1 Exercise Event 1Q FY 2011</li> <li>-Provided support for Component Command participants to attend numerous missile defense exercises and wargames</li> <li>-Supported travel requirements of the Directorate for Warfighter Integration Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provided Contractor Technical Services Support to the Directorate for Warfighter Integration</li> <li>-Enabled the Warfighter to define, test, deploy and employ new missile defense capabilities</li>   <li>-Trained to maintain proficiency with current capabilities</li> <li>-Provided feedback and support involvement in MDA's BMDS development process</li> <li>-Supported the Joint Functional Component Commander for Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and refined the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination</li> <li>-Developed Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> </ul>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<p>-Provided 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</p> <p>-Conducted annual update of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</p> <p>-Conducted Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</p> <p>-Conducted Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</p> <p>-Conducted BMDS Table Top exercises with low fidelity demonstrations for our friends and allies, working with the MDA Deputy for International Programs and the Combatant Commanders</p> <p>-Worked with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</p> <p>-Managed MDA/Geographic Combatant Command (COCOM) interfaces</p> <p>-Provided support to the development and update of BMD portions of COCOM Operation Plans (OPLANS) and Contingency Plans (CONPLANS)</p> <p>-Provided support to the BMDS Capability Delivery process and transition and transfer to the services</p> <p>-Supported USSTRATCOM with development of the annual BMDS Military Utility Assessment</p> <p><b>FY 2012 Plans:</b> Below is the following Wargame and Exercise Events for FY 2012:</p> <p>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 1 2Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 2 2Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 3 2Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 4 4Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 EUCOM Exercise 1 1Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 EUCOM Exercise 2 2Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 EUCOM Exercise 3 3Q FY 2012</p> <p>-AIR MISSILE DEFENSE 12 EUCOM Exercise 4 4Q FY 2012</p> <p>-ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP 3Q FY 2012</p> <p>-ASSURED RESPONSE Exercise Series 4Q FY 2012</p> <p>-BMDS WARGAME Series Event 3Q FY 2012</p> <p>-CONGRESSIONAL WARGAME 2Q FY2012</p>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
-CONSOLIDATED PLANNING Exercise Event 4Q FY 2012			
-CONSOLIDATED PLANNING Exercise Planning 2Q FY 2012			
-EAGLE RESOLVE 12 Exercise Event 3Q FY 2012			
-GLOBAL LIGHTNING 12 Exercise Event 3Q FY 2012			
-GLOBAL LIGHTNING 12 Exercise Planning 2Q FY 2012			
-GLOBAL THUNDER 13 Planning 3Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 1 1Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 2 1Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 3 2Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 4 2Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 5 3Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 6 3Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 7 4Q FY 2012			
-JOINT AIR DEFENSE CENTCOM Exercise Event 8 4Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 1 1Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 2 1Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 3 2Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 4 2Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 5 3Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 6 3Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 7 4Q FY 2012			
-JOINT AIR DEFENSE EUCOM Exercise Event 8 4Q FY 2012			
-JOINT PROJECT OPTIC WINDMILL 2013 Planning 2Q FY 2012			
-KEEN EDGE 12 Exercise Event 2Q FY 2012			
-KEY RESOLVE 12 Exercise Event 2Q FY 2012			
-KEY RESOLVE 13 Exercise Planning 3Q FY 2012			
-MISSILE DEFENSE CONFERENCE 2Q FY 2012			
-MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 4Q FY 2012			
-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 2Q FY 2012			
-NIMBLE TITAN 12 Wargame Event 3Q FY 2012			
-TERMINAL FURY 12 Exercise Event 3Q FY 2012			
-ULCHI FREEDOM GUARD 12 Event 3Q FY 2012			
-ULCHI FREEDOM GUARD 12 Planning 1Q FY 2012			
-VIGILANT SHIELD 11-2 Exercise Event 1Q FY 2012			

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>			<b>FY 2011</b>	<b>FY 2012</b>
<ul style="list-style-type: none"> <li>-VIGILANT SHIELD 13 Exercise Planning 3Q FY 2012</li> <li>-Provide support for Component Command participants to attend numerous missile defense exercises and wargames</li> <li>-Support travel requirements of the Directorate for Warfighter Interface Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provide Contractor Technical Services Support to the Directorate for Warfighter Interface</li> <li>-Enables the Warfighter to define, test, deploy and employ new missile defense capabilities</li>   <li>-Train to maintain proficiency with current capabilities</li> <li>-Provide feedback and support involvement in MDA's BMDS development process</li> <li>-Support to the Joint Functional Component Commander for Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and to refine the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination</li> <li>-Develop Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> <li>-Provide 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</li> <li>-Annual update of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</li> <li>-Conduct Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</li> <li>-Conduct Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</li> <li>-Conduct BMDS Table Top exercises with low fidelity demonstrations for our friends and allies, working with the MDA Deputy for International Programs and the Combatant Commanders</li> <li>-Work with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</li> <li>-Manage MDA/COCOM interfaces</li> <li>-Provide support to the development and update of BMD portions of COCOM OPLANS and CONPLANS</li> <li>-Provide support to the BMDS Capability Delivery process and transition and transfer to the services</li> <li>-Support USSTRATCOM with development of the annual BMDS Military Utility Assessment</li> </ul> <p><b>FY 2013 Plans:</b> Below is the following Wargame and Exercise Events for FY 2013:</p>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 2 2Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 3 3Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 CENTCOM Exercise 4 4Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 EUCOM Exercise 1 1Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 EUCOM Exercise 2 2Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 EUCOM Exercise 3 3Q FY 2013</li> <li>-AIR MISSILE DEFENSE 12 EUCOM Exercise 4 4Q FY 2013</li> <li>-International Symposium on INTEGRATED AIR MISSILE DEFENSE SYMP 3Q FY 2013</li> <li>-ASSURED RESPONSE Exercise Series 4Q FY 2013</li> <li>-BMDS WARGAME Series Event 3Q FY 2013</li> <li>-CONSOLIDATED PLANNING Exercise Event 4Q FY 2013</li> <li>-CONSOLIDATED PLANNING Exercise Planning 2Q FY 2013</li> <li>-EAGLE RESOLVE 12 Exercise Event 3Q FY 2013</li> <li>-GLOBAL LIGHTNING 12 Exercise Event 3Q FY 2013</li> <li>-GLOBAL LIGHTNING 12 Exercise Planning 2Q FY 2013</li> <li>-GLOBAL THUNDER 13 Planning 3Q FY 2013</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 1 &amp; 2 1Q FY 2013</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 3 &amp; 4 2Q FY 2013</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 5 &amp; 6 3Q FY 2013</li> <li>-JOINT AIR DEFENSE CENTCOM Exercise Event 7 &amp; 8 4Q FY 2013</li> <li>-JOINT AIR DEFENSE EUCOM Exercise Event 1 &amp; 2 1Q FY 2013</li> <li>-JOINT AIR DEFENSE EUCOM Exercise Event 3 &amp; 4 2Q FY 2013</li> <li>-JOINT AIR DEFENSE EUCOM Exercise Event 5 &amp; 6 3Q FY 2013</li> <li>-JOINT AIR DEFENSE EUCOM Exercise Event 7 &amp; 8 4Q FY 2013</li> <li>-JOINT PROJECT OPTIC WINDMILL 2013 Planning 2Q FY 2013</li> <li>-KEEN EDGE 12 Exercise Event 2Q FY 2013</li> <li>-KEY RESOLVE 12 Exercise Event 2Q FY 2013</li> <li>-KEY RESOLVE 13 Exercise Planning 3Q FY 2013</li> <li>-MISSILE DEFENSE CONFERENCE 2Q FY 2013</li> <li>-MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 4Q FY 2013</li> <li>-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME 2Q FY 2013</li> <li>-NIMBLE TITAN 12 Wargame Event 3Q FY 2013</li> <li>-TERMINAL FURY 12 Exercise Event 3Q FY 2013</li> </ul>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Missile Defense Agency	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> <li>-ULCHI FREEDOM GUARD 12 Event 3Q FY 2013</li> <li>-ULCHI FREEDOM GUARD 12 Planning 1Q FY 2013</li> <li>-VIGILANT SHIELD 11-2 Exercise Event 1Q FY 2013</li> <li>-VIGILANT SHIELD 13 Exercise Planning 3Q FY 2013</li> <li>-Provide support for Component Command participants to attend numerous missile defense exercises and wargames</li> <li>-Support travel requirements of the Directorate for Warfighter Interface Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provide Contractor Technical Services Support to the Directorate for Warfighter Interface</li> <li>-Enables the Warfighter to define, test, deploy and employ new missile defense capabilities</li> <li>-Train to maintain proficiency with current capabilities</li> <li>-Provide feedback and support involvement in MDA's BMDS development process</li> <li>-Support to the Joint Functional Component Commander for Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and to refine the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination</li> <li>-Develop Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> <li>-Provide 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</li> <li>-Annual update of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</li> <li>-Conduct Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</li> <li>-Conduct Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</li> <li>-Conduct BMDS Table Top exercises with low fidelity demonstrations for our friends and allies, working with the MDA Deputy for International Programs and the Combatant Commanders</li> <li>-Work with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</li> <li>-Manage MDA/COCOM interfaces</li> <li>-Provide support to the development and update of BMD portions of COCOM OPLANS and CONPLANS</li> <li>-Provide support to the BMDS Capability Delivery process and transition and transfer to the services</li> </ul>			

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
-Support USSTRATCOM with development of the annual BMDS Military Utility Assessment				
<b>Title:</b> Warfighter Strategic Integration		23.704	16.408	20.624
		<b>Articles:</b> 0	0	0
<b>Description:</b> See Description Below				
<b>FY 2011 Accomplishments:</b> This plan was previously captured in budget project MD03 in Operations Support (\$6.903 million), Joint Staff/Service/COCOM Integration (\$2.602 million), Ballistic Missile Defense Training & Education (\$7.583 million), Warfighter Interface Management and Combatant Commander (COCOM) Support (\$6.069 million) and Plans and Capability Delivery (\$.547 million) and is now a part of Warfighter Strategic Integration.				
<ul style="list-style-type: none"> <li>-Manned and operated MDA's Operations Support Center (OSC) 24 hours per day, 7 days per week, 365 days per year to gather, develop, maintain, communicate and fuse all BMDS situational awareness data concerning the current Health and Status of the BMDS, maintained operational and exercise configuration control of the BMDS architecture, reported operational readiness, conducted pre-fielding and fielding asset coordination responsibilities, provided real time BMDS information to all BMDS stakeholders and provided crisis action planning and support during exercises and real world contingencies</li> <li>-Planned, organized, resourced and managed BMD operations support functions to optimize mission performance</li> <li>-Maintained approved BMDS operational configuration and enabled on-site developmental operations, sustainment, and operational activities in a Concurrent Test, Training and Operations (CTTO) environment</li> <li>-Precisely aligned BMDS components in accordance with the currently approved Operational or Test Configuration. This required participation in the Integration Support Group and the MDA Program Change Board Corporate Process, and real time management ensuring the BMDS is in the specific approved Operational Configuration</li> <li>-Served as the MDA BMDS Asset Management office of primary responsibility for coordinating and providing integrated MDA development, maintenance and training inputs into the Asset Management Process. Planning and coordination included long range planning (MDA Annual Plan), quarterly schedules, BMDS Operating Schedule (2-8 weeks of near term schedules), and Weekly Activity Message coordination and execution</li> <li>-Monitored, collected, and analyzed BMDS operational readiness data to communicate past and present BMDS operational readiness and improve future performance</li> <li>-Maintained BMDS Operational Baseline documentation and associated BMDS Operational Configuration documentation to include the BMDS Handbook and technical library</li> <li>-Maintained BMDS applicable configuration documents for elements and Wargames Support Center</li> <li>-Ensured BMDS Watch Officer (BWO) and Warfighter have situational awareness of current and proposed BMDS Operational Baseline requirements</li> </ul>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-Implemented BMDS Operational Readiness Reporting System (BORRS) Data for Geographic Combatant Commands (COCOMs)</li> <li>-Monitored BMDS Readiness (Operations Capability/Protection Capability, Reliability, Availability, Maintainability, BMDS Operational Capability Assessment, Maintenance Data)</li> <li>-Manned and operated the Crisis Planning Team (CPT) in support of Geographic (COCOM) contingencies, Wargames and Exercises</li> <li>-Continued to enhance Operations Support Center (OSC) capabilities based on BMDS future capabilities</li> <li>-Continued improvement of situational awareness, technical reach-back and connectivity to MDA development, testing, and fielding organizations</li> <li>-Assisted the Joint Functional Component Command for Integrated Missile Defense in planning and executing Warfighter Trial Periods</li> <li>-Continued streamlining BMDS scheduling/asset management process to support the warfighter</li> <li>-Continued improvements in overseeing the BMDS operational configuration and increase fidelity and technical detail in configuration specifications</li> <li>-Continued to coordinate and align BMDS scheduled maintenance to maximize availability</li> <li>-Continued integration of Capability Demonstration-like objectives into the Ground Test Campaign</li> <li>-Continued to update the BMDS Handbook and create and publish the BMDS Handbook for future BMDS capabilities</li> <li>-Continued quarterly BMDS System Operability Checks</li> <li>-Continued to improve the BMDS Operational Readiness Reporting System (BORRS)</li> <li>-Improved Operations Support Center and Asset Management Continuity of Operations capabilities</li> <li>-Integrated configuration management tool capabilities into the on-line Asset Management tools</li> <li>-Integrated situational awareness tool capabilities into the on-line Asset management tools</li> <li>-Continued to improve the MDA-wide BMDS Operational Reporting process</li> <li>-Provided strategic-level interfaces between MDA and the Military Services, the Joint Staff, and the Office of the Under Secretary of Defense for Policy (OSD (P)), with a focus on cross-Departmental initiatives (such as the transition of BMDS Elements/Components to the Services), and cross-Departmental Corporate Boards (such as the Missile Defense Executive Board)</li> <li>-Maintained daily, strategic-level interfaces with the Military Services and Joint Staff, providing them with the critical information they require to plan for the delivery, fielding, and operation of BMDS capabilities</li> <li>-Provided direct support to the Director's Action Group for MDA senior leadership projects</li> <li>-Supported MDA Senior Leadership participation in the Missile Defense Executive Board (MDEB), the Joint Requirements Oversight Council, the Joint Capability Boards and other interdepartmental venues</li> <li>-Served as Liaison with OSD Policy on affairs related to missile defense</li> <li>-Directly interfaced with the Services, Joint Staff and Combatant Command on missile defense policy issues</li> <li>-Ensured senior leadership is prepared for all external engagements (executive boards, testimony, Combatant Command visits, public engagements, etc) as relates to operational BMDS strategic planning and policy</li> </ul>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-Enabled BMDS operational situational awareness and real-world crisis response to the leadership through the MDA/HQ Mission Operations Center</li> <li>-Provided MDA`s planner level coordination for Combatant Command, Joint Staff, and inter-agency staff actions</li> <li>-Supported Component Command Tabletop Exercises and Experiments to facilitate the development of Regional Concepts of Operation and Operational Concepts development for Early Intercept concepts and other programs such as Nimble Fire 11</li> <li>-Assisted Warfighters to update the annual BMDS Prioritized Capabilities List to reflect changes in Component Command priorities for needed BMDS enhancements</li> <li>-Assisted Strategic Command with its annual BMDS Military Utility Assessment</li> <li>-Continued to work with the Program Offices and the Warfighter to establish Concepts of Operation for transitioning BMDS capabilities</li> <li>-Continued to prepare the MDA leadership to represent the Agency to the Missile Defense Executive Board on critical BMDS related topics/decisions</li> <li>-Supported Combatant Commanders in execution of real-world operations/contingencies</li> <li>-Managed Warfighter Request for Analysis/Request for Information (RFA/RFI) process within MDA</li> <li>-Operated the BMDS Training and Education Center</li> <li>-Provided BMDS-Level Training and Education for the Joint Warfighters, Defense Officials and Services</li> <li>-Provided Training Transition support to the Services</li> <li>-Provided training by the BMDS Training &amp; Education Center</li> <li>-Provided 130 courses (~2500 hours of instruction) to approximately 1600 students</li> <li>-Provided simulated missile injects over the live Satellite Theater Event System broadcast</li> <li>-Continued to operate the Joint BMDS Training and Education Center Campus</li> <li>-Developed Combatant Command training courses</li> <li>-Provided support for Component Command participants to attend numerous missile defense exercises and wargames</li> <li>-Supported travel requirements of the Directorate for Warfighter Interface Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provided Contractor Technical Services Support to the Directorate for Warfighter Interface</li> <li>-Enabled the Warfighter to define, test, deploy and employ new missile defense capabilities</li>   <li>-Trained to maintain proficiency with current capabilities</li> <li>-Provided Feedback and support involvement in MDA`s BMDS development</li> <li>-Supported the Joint Functional Component Commander in Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and to refine the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination Develop Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> </ul>				

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
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<p>-Provided 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</p> <p>-Conducted Annual updates of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</p> <p>-Conducted Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</p> <p>-Conducted Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</p> <p>-Conducted BMDS Table Top exercises with low fidelity demonstrations for our friends and allies, working with the MDA Deputy for International Programs and the Combatant Commanders</p> <p>-Worked with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</p> <p>-Managed MDA/Geographic Combatant Command (COCOM) interfaces</p> <p>-Provided support to the development and update of BMD portions of COCOM Operation Plans (OPLANS) and Contingency Plans (CONPLANS)</p> <p>-Provided support to the BMDS Capability Delivery process and transition and transfer to the services</p> <p>-Supported USSTRATCOM with development of the annual BMDS Military Utility Assessment</p> <p><b>FY 2012 Plans:</b></p> <p>-Man and operate MDA's Operations Support Center (OSC) 24 hours per day, 7 days per week, 365 days per year to gather, develop, maintain, communicate and fuse all BMDS situational awareness data concerning the current Health and Status of the BMDS, maintaining operational and exercise configuration control of the BMDS architecture, reporting operational readiness, conducting pre-fielding and fielding asset coordination responsibilities, providing real time BMDS information to all BMDS stakeholders and providing crisis action planning and support during exercises and real world contingencies</p> <p>-Plan, organize, resource and manage BMD operations support functions to optimize mission performance</p> <p>-Maintain approved BMDS operational configuration and enable on-site developmental operations, sustainment, and operational activities in a Concurrent Test, Training and Operations (CTTO) environment</p> <p>-Precisely align BMDS components in accordance with the currently approved Operational or Test Configuration. This requires participation in the Integration Synchronization Group and the MDA Program Change Board, and real time management to ensure the BMDS is in the specific approved Operational Configuration</p> <p>-Serve as the MDA BMDS Asset Management office of primary responsibility for coordinating and providing integrated MDA development, maintenance and training inputs into the Asset Management Process. Planning and coordination includes long</p>			
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
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<p>range planning (MDA Annual Plan), quarterly schedules, BMDS Operating Schedule (2-8 weeks of near term schedules), and Weekly Activity Message coordination and execution</p> <ul style="list-style-type: none"> <li>-Monitor, collect, and analyze BMDS operational readiness data to communicate past and present BMDS operational readiness and improve future performance</li> <li>-Maintain BMDS Operational Baseline documentation and associated BMDS Operational Configuration documentation to include the BMDS Handbook and technical library</li> <li>-Maintain BMDS applicable configuration documents for elements and Wargames Support Center (WSC)</li> <li>-Ensure BMDS Watch Officer (BWO) and Warfighter have situational awareness of current and proposed BMDS Operational Baseline requirements</li> <li>-Implement BMDS Operational Readiness Reporting System (BORRS) Data for COCOMs</li> <li>-Monitor BMDS Readiness (Operations Capability/Protection Capability, Reliability, Availability, Maintainability, BMDS Operational Capability Assessment, Maintenance Data)</li> <li>-Man and operate the OSPT in support of COCOM contingencies, Wargames and Exercises</li> <li>-Continue to enhance Operations Support Center capabilities based on BMDS future capabilities</li> <li>-Continue improvement of situational awareness, technical reach-back and connectivity to MDA development, testing, and fielding organizations</li> <li>-Assist the Joint Functional Component Command for Integrated Missile Defense in planning and executing Warfighter Trial Periods</li> <li>-Continue streamlining BMDS scheduling/asset management process to support the warfighter</li> <li>-Continue improvements in overseeing the BMDS operational configuration and increase fidelity and technical detail in configuration specifications</li> <li>-Continue to coordinate and align BMDS scheduled maintenance to maximize availability</li> <li>-Continue integration of Capability Demonstration-like objectives into the Ground Test Campaign</li> <li>-Continue to update the BMDS Handbook and create and publish the BMDS Handbook for future BMDS capabilities</li> <li>-Continue quarterly BMDS System Operability Checks</li> <li>-Continue to improve the BMDS Operational Readiness Reporting System (BORRS)</li> <li>-Improve Operations Support Center and Asset Management Continuity of Operations capabilities</li> <li>-Integrate configuration management tool capabilities into the on-line Asset Management tools</li> <li>-Integrate situational awareness tool capabilities into the on-line Asset management tools</li> <li>-Continue to improve the MDA-wide BMDS Operational Reporting process</li> <li>-Provide strategic-level interfaces between MDA and the Military Services, the Joint Staff, and the Office of the Under Secretary of Defense for Policy (OSD (P)), with a focus on cross-Departmental initiatives (such as the transition of BMDS Elements/Components to the Services), and cross-Departmental Corporate Boards (such as the Missile Defense Executive Board)</li> </ul>			
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-Maintain daily, strategic-level interfaces with the Military Services and Joint Staff, providing them with the critical information they require to plan for the delivery, fielding, and operation of BMDS capabilities</li> <li>-Provide direct support to the Director’s Action Group for MDA senior leadership projects</li> <li>-Support MDA Senior Leadership participation in the MDEB, the Joint Requirements Oversight Council, the Joint Capability Boards and other interdepartmental venues</li> <li>-Liaison with OSD Policy on affairs related to missile defense</li> <li>-Directly interface with the Services, Joint Staff and Combatant Command on missile defense policy issues</li> <li>-Ensure senior leadership is prepared for all external engagements (executive boards, testimony, Combatant Command visits, public engagements, etc) as relates to operational BMDS strategic planning and policy</li> <li>-Enable BMDS operational situational awareness and real-world crisis response to the leadership through the MDA/HQ Mission Operations Center</li> <li>-Provide MDA’s planner level coordination for Combatant Command, Joint Staff, and inter-agency staff actions</li> <li>-Support Component Command Tabletop Exercises and Experiments to facilitate the development of Regional Concepts of Operation and Operational Concepts development for Early Intercept concepts and other programs such as Nimble Fire 11</li> <li>-Assist Warfighters to update the annual BMDS Prioritized Capabilities List to reflect changes in Component Command priorities for needed BMDS enhancements</li> <li>-Assist Strategic Command with its annual BMDS military Utility Assessment</li> <li>-Continue to work with the Program Offices and the Warfighter to establish Concepts of Operation for transitioning BMDS capabilities</li> <li>-Continue to prepare the MDA leadership to represent the Agency to the Missile Defense Executive Board on critical BMDS related topics/decisions</li> <li>-Support Combatant Commanders in execution of real-world operations/contingencies</li> <li>-Manage Warfighter Request for Analysis/Request for Information (RFA/RFI) process within MDA</li> <li>-Operate the BMDS Training and Education Center</li> <li>-Provide BMDS-Level Training and Education for the Joint Warfighters, Defense Officials and Services</li> <li>-Provide Training Transition support to the Services</li> <li>-Training by the BMDS Training &amp; Education Center</li> <li>-Provide 130 courses (~2500 hours of instruction) to approximately 1600 students</li> <li>-Provide simulated missile injects over the live Satellite Theater Event System broadcast</li> <li>-Continue to operate the Joint BMDS Training and Education Center Campus</li> <li>-Continue to host Integrated Ballistic Missile Defense Training Working Groups</li> <li>-Develop Combatant Command training courses</li> <li>-Provide support for Component Command participants to attend numerous missile defense exercises and wargames</li> </ul>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2011</b>
<ul style="list-style-type: none"> <li>-Support travel requirements of the Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provide Contractor Technical Services Support to enable the Warfighter to define, test, deploy and employ new missile defense capabilities</li> <li>-Train to maintain proficiency with current capabilities</li> <li>-Provide feedback and support involvement in MDA's BMDS development process</li> <li>-Support to the Joint Functional Component Commander for Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and to refine the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination</li> <li>-Develop Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> <li>-Provide 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</li> <li>-Annual update of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</li> <li>-Conduct Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</li> <li>-Conduct Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</li> <li>-Conduct BMDS Table Top exercises with low fidelity demonstrations for our friends and allies, working with the MDA Deputy for International Programs and the Combatant Commanders</li> <li>-Work with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</li> <li>-Manage MDA/COCOM interfaces</li> <li>-Provide support to the development and update of BMD portions of COCOM OPLANS and CONPLANS</li> <li>-Provide support to the BMDS Capability Delivery process and transition and transfer to the services</li> <li>-Support USSTRATCOM with development of the annual BMDS Military Utility Assessment</li> <li>-Defense Efficiency - Civilian Staffing Reduction. As part of the Department of Defense reform agenda, eliminates civilian full-time equivalent positions to maintain, with limited exceptions, civilian staffing at the FY 2010 level (FY 2012 baseline: \$-.773 million)</li> </ul> <p><b>FY 2013 Plans:</b></p>				
				<b>FY 2012</b>
				<b>FY 2013</b>

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Missile Defense Agency	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
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<ul style="list-style-type: none"> <li>-Man and operate MDA's Operations Support Center (OSC) 24 hours per day, 7 days per week, 365 days per year to gather, develop, maintain, communicate and fuse all BMDS situational awareness data concerning the current Health and Status of the BMDS, maintaining operational and exercise configuration control of the BMDS architecture, reporting operational readiness, conducting pre-fielding and fielding asset coordination responsibilities, providing real time BMDS information to all BMDS stakeholders and providing crisis action planning and support during exercises and real world contingencies</li> <li>-Man and operate the MDA HQ Mission Operations Center (MOC) at MDA HQ 5 days per week to provide situational awareness and understanding, and operational and developmental support to the MDA HQ element located in the NCR and serve as a fusion center for MDA/Warfighter Strategic Integration Directorate efforts in support of OSD, Joint Staff and Service requests and tasking response</li> <li>-Plan, organize, resource and manage BMD operations support functions to optimize mission performance</li> <li>-Maintain approved BMDS operational configuration and enable on-site developmental operations, sustainment, and operational activities in a Concurrent Test, Training and Operations (CTTO) environment</li> <li>-Precisely align BMDS components in accordance with the currently approved Operational or Test Configuration. This requires participation in the Integration Synchronization Group and the MDA Program Change Board, and real time management to ensure the BMDS is in the specific approved Operational Configuration</li> <li>-Serve as the MDA BMDS Asset Management office of primary responsibility for coordinating and providing integrated MDA development, maintenance and training inputs into the Asset Management Process. Planning and coordination includes long range planning (MDA Annual Plan), quarterly schedules, BMDS Operating Schedule (2-8 weeks of near term schedules), and Weekly Activity Message coordination and execution</li> <li>-Develop daily updates to the Combat Capabilities Assessment Schedule (CCAS) supporting 14th Air Force and the Combined Operating Schedules for EUCOM and CENTCOM</li> <li>-Monitor, collect, and analyze BMDS operational readiness data to communicate past and present BMDS operational readiness and improve future performance</li> <li>-Maintain BMDS Operational Baseline documentation and associated BMDS Operational Configuration documentation to include the BMDS Handbook and technical library</li> <li>-Maintain BMDS applicable configuration documents for elements and Wargames Support Center (WSC)</li> <li>-Ensure BMDS Watch Officer (BWO) and Warfighter have situational awareness of current and proposed BMDS Operational Baseline requirements</li> <li>-Implement BMDS Operational Readiness Reporting System (BORRS) Data for COCOMs</li> <li>-Monitor BMDS Readiness (Operations Capability/Protection Capability, Reliability, Availability, Maintainability, BMDS Operational Capability Assessment, Maintenance Data)</li> <li>-Man and operate the Crisis Planning Team (CPT) in support of COCOM contingencies, Exercises</li> <li>-Continue to enhance Operations Support Center (OSC) capabilities based on BMDS future capabilities</li> </ul>			
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>		<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2011</b>
<ul style="list-style-type: none"> <li>-Continue improvement of situational awareness, technical reach-back and connectivity to MDA development, testing, and fielding organizations</li> <li>-Assist the Joint Functional Component Command for Integrated Missile Defense in planning and executing Warfighter Trial Periods</li> <li>-Continue streamlining BMDS scheduling/asset management process to support the warfighter</li> <li>-Continue improvements in overseeing the BMDS operational configuration and increase fidelity and technical detail in configuration specifications</li> <li>-Continue to coordinate and align BMDS scheduled maintenance to maximize availability</li> <li>-Continue integration of Capability Demonstration-like objectives into the Ground Test Campaign</li> <li>-Continue to update the BMDS Handbook and create and publish the BMDS Handbook for future BMDS capabilities</li> <li>-Continue quarterly BMDS System Operability Checks</li> <li>-Continue to improve the BMDS Operational Readiness Reporting System (BORRS)</li> <li>-Improve Operations Support Center and Asset Management Continuity of Operations capabilities</li> <li>-Integrate configuration management tool capabilities into the on-line asset management tools</li> <li>-Integrate situational awareness tool capabilities into the on-line asset management tools</li> <li>-Continue to improve the MDA-wide BMDS Operational Reporting process</li> <li>-Continue to provide the BMDS Update Briefing to MDA Leadership at Headquarters Command Center</li> <li>-Continue to provide direct support to MDA Leadership at Headquarters Command Center</li> <li>-Continue to perform Battle Staff and Crisis Action Team operations for MDA Headquarters Command Center at Fort Belvoir, VA</li> <li>-Continue to provide BMDS operational situational awareness and real-world crisis response for MDA Headquarters Command Center at Fort Belvoir, VA</li> <li>-Continue to coordinate MDA/Warfighter Strategic Integration Directorate efforts in support of OSD, Joint Staff and Service requests and tasking response</li> <li>-Provide strategic-level interfaces between MDA and the Military Services, the Joint Staff (J39), and the Office of the Under Secretary of Defense for Policy (OSD (P)), with a focus on cross-Departmental initiatives (such as the transition of BMDS capabilities to the Services), as well as cross-COCOM forums Operations Forces Standing Committee (OSFC) Departmental Corporate Boards (such as the Missile Defense Executive Board)</li> <li>-Maintain daily, strategic-level interfaces with the Military Services and Joint Staff, providing them with the critical information they require to plan for the delivery, fielding, and operation of BMDS capabilities</li> <li>-Provide direct support to the Director's Action Group for MDA senior leadership projects</li> <li>-Support MDA Senior Leadership participation in the OFSC, MDEB, the Joint Requirements Oversight Council, the Joint Capability Boards and other interdepartmental venues</li> <li>-Liaison with OSD Policy on affairs related to missile defense</li> <li>-Directly interface with the Services, Joint Staff and Combatant Command on missile defense policy issues</li> </ul>				
				<b>FY 2012</b>
				<b>FY 2013</b>

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-Ensure senior leadership is prepared for all external engagements (executive boards, testimony, Combatant Command visits, public engagements, etc) as relates to operational BMDS strategic planning and policy</li> <li>-Enable BMDS operational situational awareness and real-world crisis response to the leadership through the MDA/HQ Mission Operations Center</li> <li>-Provide MDA`s planner level coordination for Combatant Command, Joint Staff, and inter-agency staff actions</li> <li>-Support Component Command Tabletop Exercises and Experiments to facilitate the development of Regional Concepts of Operation and Operational Concepts development for Early Intercept concepts and other programs such as Nimble Fire 11</li> <li>-Assist Warfighters to update the annual BMDS Prioritized Capabilities List to reflect changes in Component Command priorities for needed BMDS enhancements</li> <li>-Assist Strategic Command with its annual BMDS Military Utility Assessment</li> <li>-Continue to work with the Program Offices and the Warfighter to establish Concepts of Operation for transitioning BMDS capabilities</li> <li>-Continue to prepare the MDA leadership to represent the Agency to the OFSC Missile Defense Executive Board on critical BMDS related topics/decisions</li> <li>-Support Combatant Commanders in execution of real-world operations/contingencies</li> <li>-Manage Warfighter Request for Analysis/Request for Information (RFA/RFI) process within MDA</li> <li>-Operate the BMDS Joint Training and Education Center</li> <li>-Provide BMDS-Level Training and Education for the Joint Warfighters, Defense Officials and Services</li> <li>-Provide Training Transition support to the Services</li> <li>-Training by the BMDS Training &amp; Education Center</li> <li>-Develop Asset Management training courses</li> <li>-Develop Combatant Command training courses</li>   <li>-Operate the Joint BMDS Training and Education Center</li> <li>-Provides BMDS-Level Training and Education for the MDA personnel, Joint Warfighters, Department of Defense Officials, Services and selected US Allies (over 2,000 students per year)</li> <li>-Provide focal point for US Government personnel from the COCOMs and components to obtain BMDS information, education, and training (over 170 training and education events per year)</li> <li>-Provide a BMDS 101 to foster greater understanding of missile defense among a general audience</li> <li>-Provide COCOM Staffs with familiarization of the BMDS including capabilities and limitations</li> <li>-Provide DOD and COCOM executive personnel with familiarization of the BMDS including capabilities and limitations.</li> <li>-Provide COCOM Staffs with planning and employment in-depth training in the global ballistic missile defense planning processes, day-to-day operations, and current/future systems and issues</li> </ul>				

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2011</b>		
<ul style="list-style-type: none"> <li>-Provide missile defense space warning tool (MDST) support for exercises and training for Combatant Commands and Services (up to 24/7/365)</li> <li>-Provides simulated missile injects over the operational IBS and Satellite Theater Event System broadcast by using a constructive simulation, which models the detection, tracking, and reporting of ballistic missile launches using space-based Infrared (IR) sensors</li> <li>-Provide support for Component Command participants to attend numerous missile defense exercises and wargames</li> <li>-Support travel requirements to the Civilian and Military staff, to attend various exercises, wargames, planning conferences and technology conferences</li> <li>-Provide Contractor Technical Support Services as required to enable the Warfighter to define, test, deploy and employ new missile defense capabilities</li>   <li>-Train to maintain proficiency with current capabilities</li> <li>-Provide feedback and support involvement in MDA's BMDS development process</li> <li>-Support to the Joint Functional Component Commander for Integrated Missile Defense BMDS Table Top Exercise(s) to facilitate the Global Missile Defense Capability and to refine the European Capability Concept of Operations through low fidelity demonstration modeling simulations and MDA coordination</li> <li>-Develop Table Top evolutions to include future concepts (Early Intercept) and BMDS assets; conducting System Capability Reviews of new BMDS assets approaching the timeline to be fielded</li> <li>-Provide 24 hours a day, 7 days a week, 365 days a year MDA analysis support to Warfighter Exercises and to the Joint Staff, Services and Combatant Commands in order to document, validate, and prioritize new BMDS capabilities desired by the Warfighters, as well as enhancements to the characteristics of fielded capabilities through the Warfighter Involvement Process</li> <li>-Annual update of the BMDS Prioritized Capabilities List reflecting Combatant Command priorities for needed BMDS enhancements</li> <li>-Conduct Studies and Analyses, as required, to examine emergent Single Integrated Air Picture issues from a BMDS perspective and assess emerging technologies, studies, and theories for incorporation into future BMDS development</li> <li>-Conduct Studies and Analyses to support Joint Staff and Service BMDS Integration efforts required to ensure all aspects of the BMDS successfully transition from development to field use</li> <li>-Conduct BMDS Table Top exercises with low fidelity demonstrations for our friends and allies for International Programs and the Combatant Commanders</li> <li>-Work with the Terminal High-Altitude Area Defense, and other Program Offices and the Warfighter to establish Concepts of Operations that will support future MDA development</li> <li>-Manage MDA/COCOM interfaces</li> <li>-Provide support to the development and update of BMD portions of COCOM OPLANS and CONPLANS</li> <li>-Provide support to the BMDS Capability Delivery process and transition and transfer to the services</li> </ul>						

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013</b>
<ul style="list-style-type: none"> <li>-Support USSTRATCOM with development of the annual BMDS Military Utility Assessment</li> <li>-Track the configuration and status of the BMDS through the execution of the BORRS and provide Life Cycle Sustainment Metrics in accordance with DOD and USD/AT&amp;L policies</li> <li>-Provide BMDS Operational Readiness Reporting System (BORRS) operational availability (OA) and Warfighter Availability (Aw) to the COCOMS, MDA, in support of Congressional Requests for Information</li> <li>-Provide BORRS data to Operational Test Agency in support of their Military Utility Assessments</li> </ul>				
<p><b>Title:</b> BMDS Materiel Readiness</p> <p><b>Description:</b> See Description Below</p> <p><b>FY 2011 Accomplishments:</b></p> <ul style="list-style-type: none"> <li>-Performed life cycle Ballistic Missile Defense System (BMDS) readiness policy, planning, analysis and assessment in support of the Materiel (M) function of the Doctrine, Organization, Training, Materiel, Leadership, Personnel and Facilities (DOTMLPF);</li> <li>-Executed Logistics Functional Manager duties including training, mentoring and leading the logistics workforce</li> <li>-Executed personnel actions on behalf of the Logistics Functional Leads, to include updating the manpower database, recruit new hires, conduct personnel reviews and pay pools</li> <li>-Provided one full time MDA Engineering Support Services (MiDAESS) integrator</li> <li>-Conducted Quarterly Readiness Integrated Product Team (IPT) meetings</li> <li>-Established Item Unique Identification (IUID) Policy and established IUID IPT to monitor compliance</li> <li>-Executed Overarching Memorandum of Agreement governing Logistics Personnel</li> <li>-Implemented BMDS Readiness Directive and monitored compliance</li> <li>-Refined and implemented the Readiness Surge Team Support process</li> <li>-Developed, refined and implemented MDA Transportation Cell</li> <li>-Developed, refined and implemented MDA Property Management Office</li> <li>-Developed and conducted MDA Logistics Conference</li> </ul> <p><b>FY 2012 Plans:</b></p> <ul style="list-style-type: none"> <li>-Perform life cycle Ballistic Missile Defense System (BMDS) readiness policy, planning, analysis and assessment in support of the Materiel (M) function of the Doctrine, Organization, Training, Materiel, Leadership, Personnel and Facilities (DOTMLPF)</li> <li>-Execute Logistics Functional Manager duties, including training, mentoring and leading the logistics workforce</li> <li>-Execute personnel actions on behalf of the Logistics Functional Leads, to include updating the manpower database, recruit new hires, conduct personnel reviews and pay pools</li> <li>-Provide one full time MDA Engineering Support Services Integrator</li> </ul>		<p>1.670</p> <p>0</p>	<p>1.088</p> <p>0</p>	<p>-</p> <p>0</p>

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<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> <li>-Conduct Quarterly Readiness Integrated Product Team (IPT) meeting</li> <li>-Continue conduct of Item Unique Identification (IUID) IPT to monitor IUID IPT policy compliance</li> <li>-Execute overarching MOA governing Logistics Personnel</li> <li>-Implement BMDS Readiness Directive and monitor compliance</li> <li>-Refine and implement the Readiness Surge Team Support process</li> <li>-Develop, refine and implement MDA Transportation Cell</li> <li>-Develop, refine and implement MDA Property Management Office</li> <li>-Develop and conduct MDA Logistics Conference</li> </ul> <p><b>FY 2013 Plans:</b> Beginning FY 2013 BMDS Materiel Readiness transfers to various programs (Budget MD40) to better align agency level functions as a part of program wide support activities.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	52.986	39.484	52.765

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• 0603881C: <i>Ballistic Missile Defense Terminal Defense Segment</i>	420.839	290.076	316.929		316.929	313.212	338.353	249.475	279.758	Continuing	Continuing
• 0603882C: <i>Ballistic Missile Defense Midcourse Defense Segment</i>	1,245.489	1,159.456	903.172		903.172	914.603	954.069	948.650	862.884	Continuing	Continuing
• 0603884C: <i>Ballistic Missile Defense Sensors</i>	389.259	222.075	347.012		347.012	327.342	362.520	341.780	326.095	Continuing	Continuing
• 0603888C: <i>Ballistic Missile Defense Test &amp; Targets</i>	999.068	85.569	0.000		0.000	0.000	0.000	0.000	0.000	0.000	1,084.637
• 0603890C: <i>BMD Enabling Programs</i>	401.113	415.048	362.711		362.711	339.197	373.346	395.350	394.085	Continuing	Continuing
• 0603891C: <i>Special Programs - MDA</i>	228.450	296.145	272.387		272.387	321.450	345.263	354.503	348.602	Continuing	Continuing
• 0603892C: <i>AEGIS BMD</i>	1,530.767	988.928	992.407		992.407	960.870	950.097	1,030.201	958.680	Continuing	Continuing
• 0603895C: <i>Ballistic Missile Defense System Space Programs</i>	10.569	7.940	6.912		6.912	6.576	6.610	7.219	7.371	Continuing	Continuing

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**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u> <u>Base</u>	<u>FY 2013</u> <u>OCO</u>	<u>FY 2013</u> <u>Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• 0603896C: <i>Ballistic Missile Defense Command and Control, Battle Management &amp; Communication</i>	454.440	363.640	366.552		366.552	376.116	383.055	358.431	364.725	Continuing	Continuing
• 0603904C: <i>Missile Defense Integration &amp; Operations Center (MDIOC)</i>	83.112	69.249	63.043		63.043	54.299	55.409	54.693	55.844	Continuing	Continuing
• 0901598C: <i>Management HQ - MDA</i>	28.472	28.908	34.855		34.855	25.473	30.838	31.482	32.798	Continuing	Continuing

**D. Acquisition Strategy**

The Joint National Integration Center Research and Development Contract is the major performing integrated contract.

The Warfighter Strategic Integration Directorate and the Ground Test Execution Directorate will continue to enable the effective delivery of BMDS capabilities to the Warfighter. The Warfighter Strategic Integration Directorate will ensure Warfighter participation in the identification and development of new capabilities via the Warfighter Involvement Process.

**E. Performance Metrics**

N/A

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**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2013 Missile Defense Agency **DATE:** February 2012

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<b>Product Development (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

**Remarks**

N/A

<b>Support (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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
Warfighter Operational Support / Wargames and Exercises Civilian Salaries/ Operations Sustainment	Allot	MDA:Colorado Springs, Huntsville, NCR	3.769	2.362	Oct 2011	1.989	Oct 2012	-		1.989	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises Support to MDA Leadership A&AS	C/CPFF	MiDAESS:Colorado Springs, Huntsville, NCR	3.271	1.235	Oct 2011	3.658	Nov 2012	-		3.658	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises Combatant Commanders (COCOM) Support A&AS	C/CPFF	MiDAESS:Colorado Springs, Huntsville, NCR	3.950	1.223	Oct 2011	1.212	Oct 2012	-		1.212	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises Combatant Commanders (COCOM) Support	C/CPAF	JRDC/MIPR:Colorado Springs, Huntsville, NCR	56.099	12.226	Jan 2012	20.547	Oct 2012	-		20.547	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises BMDS Support A&AS	C/CPFF	MiDAESS:Colorado Springs	0.235	0.173	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises BMDS Support	MIPR	Multiple:Various	3.210	1.171	Dec 2011	-		-		-	Continuing	Continuing	Continuing

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<b>Support (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			Target Value of Contract
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	
Warfighter Operational Support / Wargames and Exercises BMDS Studies/ Analysis	C/FFP	MDIOC/Northrop Grumman:Colorado Springs	-	3.598	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises Government Travel & Training	Allot	MDA:Colorado Springs, Huntsville, NCR	-	-		0.427	Oct 2012	-		0.427	Continuing	Continuing	Continuing
Warfighter Operational Support / Wargames and Exercises Wargame Support	C/CPAF	JRDC/MIPR:Colorado Springs	-	-		4.308	Oct 2012	-		4.308	Continuing	Continuing	Continuing
Warfighter Strategic Integration Civilian Salaries/ Operations Sustainment	Allot	MDA:Colorado Springs/ Huntsville, NCR	7.852	3.122	Oct 2011	3.785	Oct 2012	-		3.785	Continuing	Continuing	Continuing
Warfighter Strategic Integration Support to MDA Leadership A&AS	C/CPFF	MiDAESS:Colorado Springs/Huntsville/NCR/ AK/CA	8.165	4.277	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration Support to MDA Leadership	MIPR	Multiple:NCR/Colorado Springs	4.594	1.540	Dec 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration Combatant Commanders (COCOM) A&AS	C/CPFF	MiDAESS:Colorado Springs/NCR/Huntsville	3.273	0.933	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration Commanders (COCOM) Support	C/CPAF	MDIOC/Northrop Grumman:Colorado Springs	15.984	4.607	Jan 2012	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration Armed Forces (Services) Support	C/CPFF	MiDAESS:Multiple	1.629	0.857	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration BMDS Support A&AS	C/CPFF	MiDAESS:Colorado Springs/Huntsville/NCR	1.169	0.536	Oct 2011	-		-		-	Continuing	Continuing	Continuing

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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<b>Support (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			Target Value of Contract
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	
Warfighter Strategic Integration BMDS Support	C/FFP	MDIOC/Northrop Grumman:Colorado Springs	4.985	0.536	Oct 2011	-		-		-	Continuing	Continuing	Continuing
Warfighter Strategic Integration Travel and Training	Allot	MDA:Colorado Springs, Huntsville	-	-		0.255	Oct 2012	-		0.255	Continuing	Continuing	Continuing
Warfighter Strategic Integration Current Operations	C/CPFF	MiDAESS:Colorado Springs, Huntsville, NCR	-	-		2.200	Oct 2012	-		2.200	Continuing	Continuing	Continuing
Warfighter Strategic Integration Joint Staff and Service Interface	C/CPFF	MiDAESS:Colorado Springs, Huntsville, NCR	-	-		2.200	Oct 2012	-		2.200	Continuing	Continuing	Continuing
Warfighter Strategic Integration Training and Education to the Warfighter	C/CPFF	MiDAESS:Colorado Springs	-	-		0.700	Oct 2012	-		0.700	Continuing	Continuing	Continuing
Warfighter Strategic Integration Administrative HR	C/CPFF	MiDAESS:Colorado Springs NCR	-	-		0.650	Oct 2012	-		0.650	Continuing	Continuing	Continuing
Warfighter Strategic Integration Joint Staff and Service Interface	C/CPAF	JRDC:Colorado Springs, NCR	-	-		0.500	Oct 2012	-		0.500	Continuing	Continuing	Continuing
Warfighter Strategic Integration Current Operations	C/CPAF	JRDC:Colorado Springs, NCR	-	-		3.274	Nov 2012	-		3.274	Continuing	Continuing	Continuing
Warfighter Strategic Integration BMDS Training and Education/MDST	C/CPAF	JRDC:Colorado Springs	-	-		6.500	Nov 2012	-		6.500	Continuing	Continuing	Continuing
Warfighter Strategic Integration Asset Management Server Maintenance	C/CPAF	JRDC:Colorado Springs, Huntsville	-	-		0.560	Nov 2012	-		0.560	Continuing	Continuing	Continuing
BMDS Materiel Readiness Civilian Pay	Allot	MDA:Colorado Springs, Huntsville, NCR	-	1.057	Oct 2011	-		-		-	Continuing	Continuing	Continuing
BMDS Materiel Readiness Travel and Training	Allot	MDA:Colorado Springs, Huntsville, NCR	0.361	0.031	Oct 2011	-		-		-	Continuing	Continuing	Continuing
<b>Subtotal</b>			118.546	39.484		52.765		-		52.765			

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**Exhibit R-3, RDT&E Project Cost Analysis:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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<b>Support (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

**Remarks**  
FY12 increase in Civilian Pay due to in-sourcing of personnel.

<b>Test and Evaluation (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

**Remarks**  
N/A

<b>Management Services (\$ in Millions)</b>				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-	0.000	0.000	0.000

**Remarks**  
N/A

	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
		Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Project Cost Totals</b>		118.546	39.484		52.765	-		52.765			

**Remarks**  
NA

**UNCLASSIFIED**

<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Missile Defense Agency		<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
AIR MISSILE DEFENSE 11-01 CENTCOM Exercise 2 - 2011	2	2011	2	2011
AIR MISSILE DEFENSE 11-01 CENTCOM Exercise 4 - 2011	4	2011	4	2011
AIR MISSILE DEFENSE 12 CENTCOM Exercise 1 - 2012	1	2012	1	2012
AIR MISSILE DEFENSE 12 CENTCOM Exercise 2 - 2012	2	2012	2	2012
AIR MISSILE DEFENSE 12 CENTCOM Exercise 3 - 2012	3	2012	3	2012
AIR MISSILE DEFENSE 12 CENTCOM Exercise 4 - 2012	4	2012	4	2012
AIR MISSILE DEFENSE 12 EUCOM Exercise 1 - 2012	1	2012	1	2012
AIR MISSILE DEFENSE 12 EUCOM Exercise 2 - 2012	2	2012	2	2012
AIR MISSILE DEFENSE 12 EUCOM Exercise 3 - 2012	3	2012	3	2012
AIR MISSILE DEFENSE 12 EUCOM Exercise 4 - 2012	4	2012	4	2012
AIR MISSILE DEFENSE 13 CENTCOM Exercise 1 - 2013	1	2013	1	2013
AIR MISSILE DEFENSE 13 CENTCOM Exercise 2 - 2013	2	2013	2	2013
AIR MISSILE DEFENSE 13 CENTCOM Exercise 3 - 2013	3	2013	3	2013
AIR MISSILE DEFENSE 13 CENTCOM Exercise 4 - 2013	4	2013	4	2013
AIR MISSILE DEFENSE 13 EUCOM Exercise 1 - 2013	1	2013	1	2013
AIR MISSILE DEFENSE 13 EUCOM Exercise 2 - 2013	2	2013	2	2013
AIR MISSILE DEFENSE 13 EUCOM Exercise 3 - 2013	3	2013	3	2013
AIR MISSILE DEFENSE 13 EUCOM Exercise 4 - 2013	4	2013	4	2013
AIR MISSILE DEFENSE 14 CENTCOM Exercise 1 - 2014	1	2014	1	2014
AIR MISSILE DEFENSE 14 CENTCOM Exercise 2 - 2014	2	2014	2	2014
AIR MISSILE DEFENSE 14 CENTCOM Exercise 3 - 2014	3	2014	3	2014
AIR MISSILE DEFENSE 14 CENTCOM Exercise 4 - 2014	4	2014	4	2014

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
AIR MISSILE DEFENSE 14 EUCOM Exercise 1 - 2014	1	2014	1	2014
AIR MISSILE DEFENSE 14 EUCOM Exercise 2 - 2014	2	2014	2	2014
AIR MISSILE DEFENSE 14 EUCOM Exercise 3 - 2014	3	2014	3	2014
AIR MISSILE DEFENSE 14 EUCOM Exercise 4 - 2014	4	2014	4	2014
AIR MISSILE DEFENSE 15 CENCOM Exercise 2 - 2015	2	2015	2	2015
AIR MISSILE DEFENSE 15 CENTCOM Exercise 1 - 2015	1	2015	1	2015
AIR MISSILE DEFENSE 15 CENTCOM Exercise 3 - 2015	3	2015	3	2015
AIR MISSILE DEFENSE 15 CENTCOM Exercise 4 - 2015	4	2015	4	2015
AIR MISSILE DEFENSE 15 EUCOM Exercise 1 - 2015	1	2015	1	2015
AIR MISSILE DEFENSE 15 EUCOM Exercise 2 - 2015	2	2015	2	2015
AIR MISSILE DEFENSE 15 EUCOM Exercise 3 - 2015	3	2015	3	2015
AIR MISSILE DEFENSE 15 EUCOM Exercise 4 - 2015	4	2015	4	2015
AIR MISSILE DEFENSE 16 CENTCOM Exercise 1 - 2016	1	2016	1	2016
AIR MISSILE DEFENSE 16 CENTCOM Exercise 2 - 2016	2	2016	2	2016
AIR MISSILE DEFENSE 16 CENTCOM Exercise 3 - 2016	3	2016	3	2016
AIR MISSILE DEFENSE 16 CENTCOM Exercise 4 - 2016	4	2016	4	2016
AIR MISSILE DEFENSE 16 EUCOM Exercise 1 - 2016	1	2016	1	2016
AIR MISSILE DEFENSE 16 EUCOM Exercise 2 - 2016	2	2016	2	2016
AIR MISSILE DEFENSE 16 EUCOM Exercise 3 - 2016	3	2016	3	2016
AIR MISSILE DEFENSE 16 EUCOM Exercise 4 - 2016	4	2016	4	2016
ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP - 2012	3	2012	3	2012
ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP - 2013	3	2013	3	2013
ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP - 2014	3	2014	3	2014
ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP - 2015	3	2015	3	2015
ARMY CENTRAL COMMAND INTEGRATED AIR MISSILE DEFENSE SYMP - 2016	3	2016	3	2016

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
ASSURED RESPONSE 04X Exercise Event - 2011	1	2011	1	2011
ASSURED RESPONSE Exercise Event - 2011	4	2011	4	2011
ASSURED RESPONSE Exercise Planning - 2011	2	2011	2	2011
ASSURED RESPONSE Exercise Series - 2012	4	2012	4	2012
ASSURED RESPONSE Exercise Series - 2013	4	2013	4	2013
ASSURED RESPONSE Exercise Series - 2014	4	2014	4	2014
ASSURED RESPONSE Exercise Series - 2015	4	2015	4	2015
ASSURED RESPONSE Exercise Series - 2016	4	2016	4	2016
BMDS WARGAME 2014 Event - 2014	3	2014	3	2014
BMDS WARGAME 2014 Planning - 2014	2	2014	2	2014
BMDS WARGAME 2016 Event - 2016	3	2016	3	2016
BMDS WARGAME 2016 Planning - 2016	2	2016	2	2016
BMDS WARGAME Series Event -2011	1	2011	1	2011
BMDS WARGAME Series Event -2012	3	2012	3	2012
CONGRESSIONAL WARGAME - 2012	2	2012	2	2012
CONGRESSIONAL WARGAME - 2013	2	2013	2	2013
CONGRESSIONAL WARGAME - 2014	2	2014	2	2014
CONGRESSIONAL WARGAME - 2015	2	2015	2	2015
CONSOLIDATED PLANNING Exercise Event - 2012	4	2012	4	2012
CONSOLIDATED PLANNING Exercise Event - 2013	4	2013	4	2013
CONSOLIDATED PLANNING Exercise Event - 2014	4	2014	4	2014
CONSOLIDATED PLANNING Exercise Event - 2015	4	2015	4	2015
CONSOLIDATED PLANNING Exercise Event - 2016	4	2016	4	2016
CONSOLIDATED PLANNING Exercise Planning - 2012	2	2012	2	2012
CONSOLIDATED PLANNING Exercise Planning - 2013	2	2013	2	2013

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
CONSOLIDATED PLANNING Exercise Planning - 2014	2	2014	2	2014
CONSOLIDATED PLANNING Exercise Planning - 2015	2	2015	2	2015
CONSOLIDATED PLANNING Exercise Planning - 2016	2	2016	2	2016
EAGLE RESOLVE 11 Exercise Event - 2011	3	2011	3	2011
EAGLE RESOLVE 12 Exercise Event - 2012	3	2012	3	2012
EAGLE RESOLVE 13 Exercise Event - 2013	3	2013	3	2013
EAGLE RESOLVE 14 Exercise Event - 2014	3	2014	3	2014
EAGLE RESOLVE 15 Exercise Event - 2015	3	2015	3	2015
EAGLE RESOLVE 16 Exercise Event - 2016	3	2016	3	2016
GLOBAL LIGHTNING 11 Exercise Event - 2011	3	2011	3	2011
GLOBAL LIGHTNING 12 Exercise Event - 2012	3	2012	3	2012
GLOBAL LIGHTNING 12 Exercise Planning - 2012	2	2012	2	2012
GLOBAL LIGHTNING 13 Exercise Event - 2013	3	2013	3	2013
GLOBAL LIGHTNING 13 Exercise Planning - 2013	2	2013	2	2013
GLOBAL LIGHTNING 14 Exercise Event - 2014	3	2014	3	2014
GLOBAL LIGHTNING 14 Exercise Planning - 2014	2	2014	2	2014
GLOBAL LIGHTNING 15 Exercise Event - 2015	3	2015	3	2015
GLOBAL LIGHTNING 15 Exercise Planning - 2015	2	2015	2	2015
GLOBAL LIGHTNING 16 Exercise Event - 2016	3	2016	3	2016
GLOBAL LIGHTNING 16 Exercise Planning - 2016	2	2016	2	2016
GLOBAL THUNDER 11-1 Exercise Event - 2011	1	2011	1	2011
GLOBAL THUNDER 11-2 Exercise Event - 2011	3	2011	3	2011
GLOBAL THUNDER 13 Event - 2013	1	2013	1	2013
GLOBAL THUNDER 13 Planning - 2012	3	2012	3	2012
GLOBAL THUNDER 14 Exercise Event - 2014	1	2014	1	2014

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
GLOBAL THUNDER 14 Exercise Event - 2015	1	2015	1	2015
GLOBAL THUNDER 14 Exercise Planning - 2013	3	2013	3	2013
GLOBAL THUNDER 15 Exercise Planning - 2014	3	2014	3	2014
GLOBAL THUNDER 16 Exercise Event - 2016	1	2016	1	2016
GLOBAL THUNDER 16 Exercise Planning - 2015	3	2015	3	2015
GLOBAL THUNDER 17 Exercise Planning - 2016	3	2016	3	2016
INTERNATIONAL SYMPOSIUM ON INTEGRATED AIR MISSILE DEFENSE SYMPOSIUM 2Q FY 2011	2	2011	2	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2011	1	2011	1	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2012	1	2012	1	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2013	1	2013	1	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2014	1	2014	1	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2015	1	2015	1	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 1 - 2016	1	2016	1	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2011	1	2011	1	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2012	1	2012	1	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2013	1	2013	1	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2014	1	2014	1	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2015	1	2015	1	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 2 - 2016	1	2016	1	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2011	2	2011	2	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2012	2	2012	2	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2013	2	2013	2	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2014	2	2014	2	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2015	2	2015	2	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 3 - 2016	2	2016	2	2016

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2011	2	2011	2	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2012	2	2012	2	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2013	2	2013	2	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2014	2	2014	2	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2015	2	2015	2	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 4 - 2016	2	2016	2	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2011	3	2011	3	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2012	3	2012	3	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2013	3	2013	3	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2014	3	2014	3	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2015	3	2015	3	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 5 - 2016	3	2016	3	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2011	3	2011	3	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2012	3	2012	3	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2013	3	2013	3	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2014	3	2014	3	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2015	3	2015	3	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 6 - 2016	3	2016	3	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2011	4	2011	4	2011
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2012	4	2012	4	2012
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2013	4	2013	4	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2014	4	2014	4	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2015	4	2015	4	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 7 - 2016	4	2016	4	2016
JOINT AIR DEFENSE CENTCOM Exercise Event 8 - 2012	4	2012	4	2012

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
JOINT AIR DEFENSE CENTCOM Exercise Event 8 - 2013	4	2013	4	2013
JOINT AIR DEFENSE CENTCOM Exercise Event 8 - 2014	4	2014	4	2014
JOINT AIR DEFENSE CENTCOM Exercise Event 8 - 2015	4	2015	4	2015
JOINT AIR DEFENSE CENTCOM Exercise Event 8 - 2016	4	2016	4	2016
JOINT AIR DEFENSE EUCOM Exercise Event 1 - 2012	1	2012	1	2012
JOINT AIR DEFENSE EUCOM Exercise Event 1 - 2013	1	2013	1	2013
JOINT AIR DEFENSE EUCOM Exercise Event 1 - 2014	1	2014	1	2014
JOINT AIR DEFENSE EUCOM Exercise Event 1 - 2015	1	2015	1	2015
JOINT AIR DEFENSE EUCOM Exercise Event 1 - 2016	1	2016	1	2016
JOINT AIR DEFENSE EUCOM Exercise Event 2 - 2012	1	2012	1	2012
JOINT AIR DEFENSE EUCOM Exercise Event 2 - 2013	1	2013	1	2013
JOINT AIR DEFENSE EUCOM Exercise Event 2 - 2014	1	2014	1	2014
JOINT AIR DEFENSE EUCOM Exercise Event 2 - 2015	1	2015	1	2015
JOINT AIR DEFENSE EUCOM Exercise Event 2 - 2016	1	2016	1	2016
JOINT AIR DEFENSE EUCOM Exercise Event 3 - 2012	2	2012	2	2012
JOINT AIR DEFENSE EUCOM Exercise Event 3 - 2013	2	2013	2	2013
JOINT AIR DEFENSE EUCOM Exercise Event 3 - 2014	2	2014	2	2014
JOINT AIR DEFENSE EUCOM Exercise Event 3 - 2015	2	2015	2	2015
JOINT AIR DEFENSE EUCOM Exercise Event 3 - 2016	2	2016	2	2016
JOINT AIR DEFENSE EUCOM Exercise Event 4 - 2012	2	2012	2	2012
JOINT AIR DEFENSE EUCOM Exercise Event 4 - 2013	2	2013	2	2013
JOINT AIR DEFENSE EUCOM Exercise Event 4 - 2014	2	2014	2	2014
JOINT AIR DEFENSE EUCOM Exercise Event 4 - 2015	2	2015	2	2015
JOINT AIR DEFENSE EUCOM Exercise Event 4 - 2016	2	2016	2	2016
JOINT AIR DEFENSE EUCOM Exercise Event 5 - 2012	3	2012	3	2012

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
JOINT AIR DEFENSE EUCOM Exercise Event 5 - 2013	1	2013	1	2013
JOINT AIR DEFENSE EUCOM Exercise Event 5 - 2014	3	2014	3	2014
JOINT AIR DEFENSE EUCOM Exercise Event 5 - 2015	3	2015	3	2015
JOINT AIR DEFENSE EUCOM Exercise Event 5 - 2016	3	2016	3	2016
JOINT AIR DEFENSE EUCOM Exercise Event 6 - 2012	3	2012	3	2012
JOINT AIR DEFENSE EUCOM Exercise Event 6 - 2013	3	2013	3	2013
JOINT AIR DEFENSE EUCOM Exercise Event 6 - 2014	3	2014	3	2014
JOINT AIR DEFENSE EUCOM Exercise Event 6 - 2015	3	2015	3	2015
JOINT AIR DEFENSE EUCOM Exercise Event 6 - 2016	3	2016	3	2016
JOINT AIR DEFENSE EUCOM Exercise Event 7 - 2012	4	2012	4	2012
JOINT AIR DEFENSE EUCOM Exercise Event 7 - 2013	4	2013	4	2013
JOINT AIR DEFENSE EUCOM Exercise Event 7 - 2014	4	2014	4	2014
JOINT AIR DEFENSE EUCOM Exercise Event 7 - 2015	4	2015	4	2015
JOINT AIR DEFENSE EUCOM Exercise Event 7 - 2016	4	2016	4	2016
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2011	4	2011	4	2011
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2012	4	2012	4	2012
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2013	4	2013	4	2013
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2014	4	2014	4	2014
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2015	4	2015	4	2015
JOINT AIR DEFENSE EUCOM Exercise Event 8 - 2016	4	2016	4	2016
JOINT PROJECT OPTIC WINDMILL 2013 Event - 2013	4	2013	4	2013
JOINT PROJECT OPTIC WINDMILL 2013 Planning - 2012	2	2012	2	2012
JOINT PROJECT OPTIC WINDMILL 2015 Event - 2015	4	2015	4	2015
JOINT PROJECT OPTIC WINDMILL 2015 Planning - 2014	2	2014	2	2014
JOINT PROJECT OPTIC WINDMILL 2017 Planning - 2016	2	2016	2	2016

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
KEEN EDGE 12 Exercise Event - 2012	2	2012	2	2012
KEEN EDGE 12 Exercise Planning - 2011	3	2011	3	2011
KEEN EDGE 14 Exercise Event - 2014	2	2014	2	2014
KEEN EDGE 14 Exercise Planning - 2013	2	2013	2	2013
KEEN EDGE 16 Exercise Event - 2015	2	2015	2	2015
KEEN EDGE 16 Exercise Event - 2016	2	2016	2	2016
KEY RESOLVE 11 Exercise Planning - 2010	1	2011	1	2011
KEY RESOLVE 12 Exercise Event - 2012	2	2012	2	2012
KEY RESOLVE 12 Exercise Planning - 2011	3	2011	3	2011
KEY RESOLVE 13 Exercise Event 2013	2	2013	2	2013
KEY RESOLVE 13 Exercise Planning - 2012	3	2012	3	2012
KEY RESOLVE 14 Exercise Event - 2014	2	2014	2	2014
KEY RESOLVE 14 Exercise Planning - 2013	3	2013	3	2013
KEY RESOLVE 15 Exercise Event - 2015	2	2015	2	2015
KEY RESOLVE 15 Exercise Planning - 2014	3	2014	3	2014
KEY RESOLVE 16 Exercise Event - 2016	2	2016	2	2016
KEY RESOLVE 16 Exercise Planning - 2015	3	2015	3	2015
KEY RESOLVE 17 Exercise Planning - 2016	3	2016	3	2016
KEY RESOLVE Exercise Series-2Q 2015	2	2015	2	2015
MISSILE DEFENSE CONFERENCE-2Q 2012	2	2012	2	2012
MISSILE DEFENSE CONFERENCE-2Q 2013	2	2013	2	2013
MISSILE DEFENSE CONFERENCE-2Q 2014	2	2014	2	2014
MISSILE DEFENSE CONFERENCE-2Q 2015	2	2015	2	2015
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2011	4	2011	4	2011
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2012	4	2012	4	2012

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2013	4	2013	4	2013
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2014	4	2014	4	2014
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2015	4	2015	4	2015
MULTI-NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2016	4	2016	4	2016
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2011	2	2011	2	2011
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2012	2	2012	2	2012
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2013	2	2013	2	2013
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2014	2	2014	2	2014
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2015	2	2015	2	2015
NATIONAL MISSILE DEFENSE CONFERENCE WARGAME - 2016	2	2016	2	2016
NIMBLE TITAN 12 Wargame Event - 2012	3	2012	3	2012
NIMBLE TITAN 14 Wargame Event - 2014	3	2014	3	2014
NIMBLE TITAN 16 Wargame Event - 2016	3	2016	3	2016
SHARP SENTRY Table Top Exercise 1 Event - 2011	2	2011	2	2011
SHARP SENTRY Table Top Exercise 2 Event - 2011	2	2011	2	2011
SHARP SENTRY Table Top Exercise 3 Event - 2011	2	2011	2	2011
SHARP SENTRY Table Top Exercise 7 Event - 2011	4	2011	4	2011
TALISMAN SABRE Event - 2013	2	2013	2	2013
TALISMAN SABRE Event - 2015	2	2015	2	2015
TALISMAN SABRE Planning - 2013	1	2013	1	2013
TALISMAN SABRE Planning - 2015	1	2014	1	2014
TERMINAL FURY 11 Exercise Event - 2011	3	2011	3	2011
TERMINAL FURY 12 Exercise Event - 2012	3	2012	3	2012
TERMINAL FURY 12 Exercise Planning - 2011	4	2011	4	2011
TERMINAL FURY 13 Exercise Event - 2013	3	2013	3	2013

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
TERMINAL FURY 13 Exercise Planning - 2013	1	2013	1	2013
TERMINAL FURY 14 Exercise Event - 2014	3	2014	3	2014
TERMINAL FURY 14 Exercise Planning - 2014	1	2014	1	2014
TERMINAL FURY 15 Exercise Event - 2015	3	2015	3	2015
TERMINAL FURY 15 Exercise Planning - 2015	1	2015	1	2015
TERMINAL FURY 16 Exercise Event - 2016	3	2016	3	2016
TERMINAL FURY 16 Exercise Planning - 2016	1	2016	1	2016
ULCHI FREEDOM GUARD 11 Event - 2011	4	2011	4	2011
ULCHI FREEDOM GUARD 11 Planning - 2011	1	2011	1	2011
ULCHI FREEDOM GUARD 12 Event - 2012	3	2012	3	2012
ULCHI FREEDOM GUARD 12 Planning - 2012	1	2012	1	2012
ULCHI FREEDOM GUARD 13 Event - 2013	3	2013	3	2013
ULCHI FREEDOM GUARD 13 Planning - 2013	1	2013	1	2013
ULCHI FREEDOM GUARD 14 Event - 2014	3	2014	3	2014
ULCHI FREEDOM GUARD 14 Planning - 2013	1	2014	1	2014
ULCHI FREEDOM GUARD 15 Event - 2015	3	2015	3	2015
ULCHI FREEDOM GUARD 15 Planning - 2014	1	2015	1	2015
ULCHI FREEDOM GUARD 16 Event - 2016	3	2016	3	2016
ULCHI FREEDOM GUARD 16 Planning - 2015	1	2016	1	2016
VIGILANT SHIELD 11-1 Exercise Event - 2011	1	2011	1	2011
VIGILANT SHIELD 11-2 Exercise Event - 2012	1	2012	1	2012
VIGILANT SHIELD 13 Exercise Event - 2013	1	2013	1	2013
VIGILANT SHIELD 13 Exercise Planning - 2012	3	2012	3	2012
VIGILANT SHIELD 14 Exercise Event - 2015	1	2015	1	2015
VIGILANT SHIELD 14 Exercise Planning - 2013	3	2013	3	2013

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD03: <i>Joint Warfighter Support</i>
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Events	Start		End	
	Quarter	Year	Quarter	Year
VIGILANT SHIELD 15 Exercise Event - 2015	1	2015	1	2015
VIGILANT SHIELD 15 Exercise Planning - 2014	3	2014	3	2014
VIGILANT SHIELD 16 Exercise Event - 2016	1	2016	1	2016
VIGILANT SHIELD 16 Exercise Planning - 2015	3	2015	3	2015
VIGILANT SHIELD 17 Exercise Planning - 2016	3	2016	3	2016

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**Exhibit R-2A, RDT&E Project Justification:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	<b>PROJECT</b> MD40: <i>Program-Wide Support</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
MD40: <i>Program-Wide Support</i>	2.365	1.690	2.785	-	2.785	2.638	2.573	2.872	3.018	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

**Note**

N/A

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

Program-Wide Support (PWS) contains non-headquarters management costs in support of MDA functions and activities across the entire Ballistic Missile Defense System (BMDS). Includes Government Civilians, Advisory and Assistance Services, and Federally Funded Research and Development contracts (FFRDC) providing integrity and oversight of the BMDS as well as, supporting MDA in enabling the development and evaluation of technologies that will respond to the changing threat. In addition, includes Global Deployment personnel and support performing deployment site preparation and activation. Other costs included provide facility capabilities for MDA Executing Agent locations (with the exception of Federal Office Building 2 after FY 2011), such as physical and technical security, legal services, travel and agency training, office and equipment leases, rents and utilities, data and unified communications support, supplies and maintenance, logistics and central property management of equipment, and similar operating expenses. Also includes legal settlements, and foreign currency fluctuations on a limited number of foreign contracts. In keeping with congressional intent, PWS is allocated on a pro-rata basis and therefore, fluctuates by year based on the total MDA budget.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2011	FY 2012	FY 2013
<b>Title:</b> Civilian Salaries and Support	2.365	1.690	2.785
<b>Articles:</b>	0	0	0
<b>Description:</b> See Description Below			
<b>FY 2011 Accomplishments:</b> See paragraph A, Mission Description and Budget Item Justification			
<b>FY 2012 Plans:</b> See paragraph A, Mission Description and Budget Item Justification			
<b>FY 2013 Plans:</b> See paragraph A, Mission Description and budget item justification.			
<b>Accomplishments/Planned Programs Subtotals</b>	2.365	1.690	2.785

**C. Other Program Funding Summary (\$ in Millions)**

N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2013 Missile Defense Agency **DATE:** February 2012

<b>APPROPRIATION/BUDGET ACTIVITY</b>	<b>R-1 ITEM NOMENCLATURE</b>	<b>PROJECT</b>
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	PE 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	MD40: <i>Program-Wide Support</i>

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A