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

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	157.739	153.056	177.058	-	177.058	172.622	162.628	185.934	173.587	Continuing	Continuing
XX46: <i>Sea Based X-Band Radar Sustainment</i>	157.739	-	-	-	-	-	-	-	-	0.000	157.739
MD46: <i>Sea Based X-Band Radar (SBX) Development</i>	-	153.056	23.002	-	23.002	13.992	14.032	14.083	13.988	0.000	232.153
MX46: <i>Sea Based X-Band Radar Development Support</i>	-	-	146.800	-	146.800	151.400	141.300	163.900	152.200	Continuing	Continuing
MD40: <i>Program-Wide Support</i>	-	-	7.256	-	7.256	7.230	7.296	7.951	7.399	Continuing	Continuing

Note

SBX participation in BMDS testing is funded in the Sensors program element (PE 0603884C). Test events for FY12-16 are depicted in the R-4/4A exhibits for that PE's Project MD11.

A. Mission Description and Budget Item Justification

The Sea-Based X-Band Radar (SBX) is a major contributor for homeland defense. The largest X-Band radar in the world, it serves as the primary midcourse sensor in the BMDS layered network of radars. Self-propelled and semi-submersible, the SBX operates in various locations in the Pacific Ocean. It enables Combatant Commanders to engage ballistic missile threats in all three phases of flight (ascent, mid-course, and terminal). The SBX provides high resolution cued search, acquisition, tracking, target discrimination, and debris assessments. GMD relies on the SBX radar and other sensors where available, for fire control solutions. Operations and sustainment of satellite communications to the BMDS are provided by C2BMC, and enable sensor tasking/control by the Ground-Based Midcourse fire control (GFC).

The major goals of this system element are to:

- Operate and sustain the SBX and its subsystems to support BMDS flight testing and operations, as required
- Deliver advanced X-Band Radar (XBR) algorithms to address evolving threats
- Continue to enhance SBX capabilities and integration into the BMDS
- Participate in BMDS ground and flight tests and Targets of Opportunity testing (funding for testing is carried under PE 0603884C (Test and Evaluation line))
- Achieve and maintain American Bureau of Shipping (ABS) certification
- Support the transfer of SBX to the U.S. Navy
- Enhance XBR data provided to GMD high fidelity digital simulation efforts
- Execute ABS Certification of Inspection In-Port Maintenance period

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B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	167.153	153.056	150.104	-	150.104
Current President's Budget	157.739	153.056	177.058	-	177.058
Total Adjustments	-9.414	-	26.954	-	26.954
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-9.162	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustment Detail	-0.252	-	26.954	-	26.954

Change Summary Explanation

The FY12 \$26.954 million dollar increase in is the result of MDA programmatic changes.

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT XX46: <i>Sea Based X-Band Radar Sustainment</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
XX46: <i>Sea Based X-Band Radar Sustainment</i>	157.739	-	-	-	-	-	-	-	-	0.000	157.739
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

A. Mission Description and Budget Item Justification

Project XX46 has been transferred to Project MD46.

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

	FY 2010	FY 2011	FY 2012
Title: See Project MD46 for FY 2010 Accomplishments	157.739	-	-
Articles:	0		
Description: See Description Below			
FY 2010 Accomplishments: NA			
Accomplishments/Planned Programs Subtotals	157.739	-	-

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

N/A

D. Acquisition Strategy

NA

E. Performance Metrics

NA

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MD46: <i>Sea Based X-Band Radar (SBX) Development</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
<i>MD46: Sea Based X-Band Radar (SBX) Development</i>	-	153.056	23.002	-	23.002	13.992	14.032	14.083	13.988	0.000	232.153
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

Note

The MD46 R4/4A depicts only test events for which SBX participation is ``mandatory``. For a full listing of BMDS Sensors test events, see the R-4/4A in the Test and Targets PE (0603888C).

A. Mission Description and Budget Item Justification

This project provides for the operations and support of the Sea-Based X-Band (SBX) Radar and its four major sub-systems: the self-propelled vessel; the X-Band Radar (XBR); the In-Flight Interceptor Communications System (IFICS) Data Terminal (IDT); and the communications network.

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

	FY 2010	FY 2011	FY 2012
Title: Vessel Operations and Support	-	98.029	-
Articles:	0	0	0
Description: See Description Below			
FY 2010 Accomplishments: Operations and sustainment of the SBX's X-Band radar (XBR) include: manpower for operating and maintaining the radar, spare and repair parts procurement, and hardware maintenance. The on-vessel XBR personnel perform the functions of round-the-clock radar operations, calibration of the radar and support/test equipment, and maintenance and repair of the radar associated equipment.			
Funding (\$89.710M) for these FY 2010 accomplishments is reported in prior year budget project XX46.			
-Provided SBX crews, provisioning, spares, and motor vessel Dove lease -Continued ongoing operations, maintenance, and logistical support of the SBX and the motor vessel Dove -Participated in BMDS ground and flight tests to include Targets of Opportunity (TOO):			
-FTG-06, conducted with a new target design, presented a more complex scene, with numbers of objects beyond any testing or analysis for the SBX XBR. This exposed failure modes in the XBR. Failure Review Board (FRB) directed multiple fixes to improve			

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MD46: <i>Sea Based X-Band Radar (SBX) Development</i>		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p>throughput in heavy loading scenarios. The corrective action will occur in two phases: the first phase modified timing algorithms and the second phase, which is part of the 2011 program, will increase debris cloud discrimination capabilities.</p> <ul style="list-style-type: none"> -Booster Verification Test BVT-01 -USAF Glory Trip 200 (Target of Opportunity) -USAF Glory Trip 201 (Target of Opportunity) -USAF Glory Trip 202 (Target of Opportunity) -Acquired hardware and supply items in preparation for shipyard period beginning 4th Qtr FY10 -Executed ABS Certificate of Inspection and FY 2010 In-Port Maintenance Period -Completed U.S. Navy Board of Inspection and Survey (INSURV) and assessment <p>FY 2011 Plans:</p> <ul style="list-style-type: none"> -Continue ongoing operations, maintenance, and support of the SBX, the support vessel, and support facilities -Execute in-port maintenance period for ABS certifications (thruster seals replacement), Navy Inspections and Survey (INSURV) corrections and complete items necessary for Transition and Transfer to the Navy in 2011 -Support GMD Intercept Flight Test FTG-06a as follows: <ul style="list-style-type: none"> -Verify and re-test fixes directed by FTG-06 FRB -Acquire target and send track reports to GMD Fire Control -Transition to non-tactical mode to collect critical engagement conditions/empirical measurement events (CEC/EME) data for verification and validation of models and simulation -Continue to support operations of the Navy Transition Office -Implement Independent Readiness Review Team (IRRRT) recommendations to facilitate the following events: <ul style="list-style-type: none"> -Capability Acceptance (CA) designation by STRATCOM -Transition operation of SBX to the US Navy <p>FY 2012 Plans:</p> <ul style="list-style-type: none"> -For FY 2012, these efforts are described in Project MX46 below. 				
<p>Title: XBR Operations and Support</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments:</p>		-	43.127	-
		Articles: 0	0	0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p>Funding (\$41.8M) for these FY 2010 accomplishments is reported in prior year budget project XX46.</p> <ul style="list-style-type: none"> -Continued to operate and maintain the X-Band radar (XBR) and associated equipment -Maintained mission hardware -Provided and supported operations crew -Upgraded components of the XBR system during the in-port maintenance period -Supported the Navy INSURV assessment -Supported the ABS certification process <p>FY 2011 Plans:</p> <ul style="list-style-type: none"> -Continue to operate and maintain the X-Band radar and associated equipment -Maintain mission hardware -Provide and support operations crew -Complete Formal Qualification Testing (FQT) for Build 3.0 -Complete XBR upgrades during in-port maintenance period <p>FY 2012 Plans:</p> <ul style="list-style-type: none"> -For FY 2012, these efforts are described in Project MX46 below. 				
<p>Title: SBX Communications Operations and Support</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments: This operations and support (O&S) effort supports the SBX Communications Suite. It includes communications suite operational spares, repair, and replacement; communications operators/maintainers; communications support costs; and sustains satellite communications (SATCOM) operations 24 hours a day 365 days a year.</p> <p>Funding (\$1.629M) for FY 2010 accomplishments is reported in prior year budget project XX46.</p> <ul style="list-style-type: none"> -Continued round-the-clock sustainment for Communications capabilities associated with SBX -Continued on-site SATCOM support aboard SBX and at earth stations for hardware and software 		Articles:	-	-
		0	1.900 0	-

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
<p>-Continued sustaining engineering support and integrated logistics support -Continued Space segment lease</p> <p>FY 2011 Plans: -Continue round-the-clock sustainment for communications capabilities for Sea-Based X-Band radar (SBX) -Continue on-site SATCOM support of fielded sites for hardware and software -Continue sustaining engineering support and integrated logistics support for fielded hardware and software -Continue space segment lease.</p> <p>FY 2012 Plans: Funds and plans are described in Program Element 0603896C, Budget Project MD01</p>				
<p>Title: System Force Protection</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments: Force protection for the Sea-Based X-Band Radar (SBX) is an ongoing effort comprising two major functions: on-board protection of the vessel, and portside security augmentation, if required, for the SBX vessel and its Off-Shore Support (OSS) vessel, while docked. On-board protection security functions include: on-board visitor control, access control to sensitive areas, inspection of incoming personnel and equipment, and protection against hostile boarding. Portside security functions include: inspection and control of supplies and equipment being readied for transport onto the SBX, access control of the docking area, and visitor control to the SBX and support vessel.</p> <p>Funding (\$6.6M) for these FY 2010 accomplishments is reported in prior year budget project XX46.</p> <p>-Continued to provide on-board force protection for the SBX and portside security for the SBX and its off-shore support vessel , the motor vessel Dove</p> <p>FY 2011 Plans: -Continue to provide on-board and portside force protection for the SBX and its off-shore support vessel</p> <p>FY 2012 Plans: -For FY 2012, these efforts are described in Project MX46 below.</p>		Articles:	-	10.000
		0	0	0
Title: SBX Software Development and Maintenance		-	-	23.002

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
<p align="right">Articles:</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments: For FY 2010, funding (\$18M) for these activities is included in prior year budget project XX46.</p> <ul style="list-style-type: none"> -Continued development, integration, testing, and maintenance of XBR software, including Build 3.0, in support of BMDS Integrated Build C -Complete Formal Qualification Testing (FQT) -Verify and validate SBX analytical model -Supported development of advanced X-Band Radar (XBR) algorithms to address evolving threats <p>FY 2011 Plans: For FY 2011, SBX software development and maintenance (\$13.8M) is included in the XBR Operations and Support accomplishment above.</p> <p>FY 2012 Plans: -Maintain SBX Build 3.1 configuration -Fix Level 1 and 2 BMDS Test Incident Reports (BTIRs) and Weapon System Test Reports (WSTRs)</p>	0	0	0
Accomplishments/Planned Programs Subtotals	-	153.056	23.002

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

N/A

D. Acquisition Strategy

The SBX will continue to follow the Missile Defense Agency's capability-based acquisition strategy that emphasizes testing, development and evolutionary acquisition. There is no plan to acquire a second SBX.

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Missile Defense Agency **DATE:** February 2011

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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SBX Software Development and Maintenance Software Dev & Maintenance MD46	SS/CPAF	Raytheon:MA	-	-		23.002	Dec 2011	-		23.002	56.724	79.726	79.726
Subtotal			-	-		23.002		-		23.002	56.724	79.726	79.726

Remarks
Software Dev and Maint budgeted in FY11 in Sensors Program Element 0603884C.

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Vessel Operations and Support SBX Operations and Support (Vessel) MD46	SS/CPAF	Boeing:AL/AK/AZ/CA/CO/TX/VA/HI	85.135	68.303	Oct 2010	-		-		-	0.000	153.438	144.231
Vessel Operations and Support Fuel MD46	SS/FFP	Boeing:AL/AK/AZ/CA/CO/TX/VA/HI	6.000	13.300	Oct 2010	-		-		-	0.000	19.300	19.300
Vessel Operations and Support Vessel Voyage Repairs MD46	SS/CPAF	Boeing:AL/AK/HI	8.921	7.729	Oct 2010	-		-		-	0.000	16.650	16.650
Vessel Operations and Support Navy Hybrid Program Office MD46	MIPR	US Navy:AL, NCR	7.565	8.000	Oct 2010	-		-		-	0.000	15.565	16.065
Vessel Operations and Support ABS Certification MD46	SS/CPAF	Boeing:AL	-	0.697	Oct 2010	-		-		-	0.000	0.697	0.697
Vessel Operations and Support Pearl Harbor Spt: Pilot/Tug, Facilities, Helicopter MD46	SS/FFP	COMNAVREG, NAVFAC, Bluehahel:HI, AK	0.089	-		-		-		-	0.000	0.089	0.089
XBR Operations and Support XBR Operations and Support MD46	SS/CPAF	Raytheon:AL/AK/HI	41.800	33.800	Oct 2010	-		-		-	0.000	75.600	65.247

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Missile Defense Agency **DATE:** February 2011

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Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
XBR Operations and Support XBR SW upgrades/Maint. MD46	SS/CPAF	Raytheon:MA	-	9.327	Oct 2010	-		-		-	0.000	9.327	9.327
SBX Communications Operations and Support SBX Comms O&S MD46	MIPR	DISA:VA	1.379	1.900	Oct 2010	-		-		-	0.000	3.279	1.900
SBX Communications Operations and Support SBX Terminal Relocation MD46	SS/CPAF	Boeing:AL	0.250	-		-		-		-	0.000	0.250	0.250
System Force Protection System Force Protection MD46	SS/CPFF	Chenega:On Vessel/AK	6.600	10.000	Oct 2010	-		-		-	0.000	16.600	14.403
Subtotal			157.739	153.056		-		-		-	0.000	310.795	288.159

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

Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-	0.000	0.000	0.000

			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			157.739	153.056		23.002		-		23.002	56.724	390.521	367.885

Remarks

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

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MD46: <i>Sea Based X-Band Radar (SBX) Development</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Performance Assessment 2009 (PA-09)	1	2010	1	2010
GMD Intercept Flight Test (FTG-06)	2	2010	2	2010
Technical Assessment 2010 (TA-10)	2	2010	4	2010
Ground Test Integrated GTI-04b	2	2010	4	2010
Glory Trip GT-200/201 (USAF Target of Opportunity) and BVT-01	3	2010	3	2010
Glory Trip 202	4	2010	4	2010
Complete Initial Qualification Testing (IQT) Build 3	4	2010	4	2010
GMD Intercept Flight Test FTG-06a	1	2011	1	2011
Transition to U.S. Navy	2	2011	2	2011
ABS Certification and In-Port Maintenance Period	2	2011	3	2011
Aegis Flight Test FTM-15	3	2011	3	2011

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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
MX46: <i>Sea Based X-Band Radar Development Support</i>	-	-	146.800	-	146.800	151.400	141.300	163.900	152.200	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

A. Mission Description and Budget Item Justification

This project provides for the operations and support of the Sea-Based X-Band (SBX) Radar and its four major sub-systems: the self-propelled vessel; the X-Band Radar (XBR); the In-Flight Interceptor Communications System (IFICS) Data Terminal (IDT); and the communications network.

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

	FY 2010	FY 2011	FY 2012
<p>Title: Vessel Operations and Support</p> <p align="right">Articles:</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments: FY10 accomplishments are described in Project MD46.</p> <p>FY 2011 Plans: FY11 plans are described in Project MD46.</p> <p>FY 2012 Plans: -Continue ongoing operations, maintenance, and support of the SBX, the support vessel, and support facilities -Continue to support operations of the Navy Transition Office</p>	-	-	109.884
	0	0	0
<p>Title: XBR Operations and Support</p> <p align="right">Articles:</p> <p>Description: See Description Below</p> <p>FY 2010 Accomplishments: FY10 accomplishments are described in Project MD46.</p> <p>FY 2011 Plans: FY11 plans are described in Project MD46.</p> <p>FY 2012 Plans: -Continue to operate and maintain the X-Band radar and associated equipment</p>	-	-	32.174
	0	0	0

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
-Maintain mission hardware -Provide and support operations crew				
Title: System Force Protection		-	-	4.742
		0	0	0
Articles:				
Description: See Description Below				
FY 2010 Accomplishments: FY10 accomplishments are described in Project MD46.				
FY 2011 Plans: FY11 plans are described in Project MD46.				
FY 2012 Plans: -Continue to provide on-board and portside force protection for the SBX and its off-shore support vessel				
Accomplishments/Planned Programs Subtotals		-	-	146.800
C. Other Program Funding Summary (\$ in Millions)				
N/A				
D. Acquisition Strategy				
The SBX will continue to follow the Missile Defense Agency`s capability-based acquisition strategy that emphasizes testing, development and evolutionary acquisition. There is no plan to acquire a second SBX.				
E. Performance Metrics				
N/A				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Missile Defense Agency **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MX46: <i>Sea Based X-Band Radar Development Support</i>
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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-	0.000	0.000	0.000

Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Vessel Operations and Support SBX Operations & Support (Vessel) MX46	SS/CPAF	Boeing:AL/AK/AZ/CA/CO/TX/VA/HI	-	-		81.464	Nov 2011	-		81.464	Continuing	Continuing	Continuing
Vessel Operations and Support Fuel MX46	SS/FFP	Boeing:AL/AK/AZ/CA/CO/TX/VA/HI	-	-		18.968	Nov 2011	-		18.968	Continuing	Continuing	Continuing
Vessel Operations and Support Vessel Voyage Repairs MX46	SS/CPAF	Boeing:AL/AK/HI	-	-		4.028	Nov 2011	-		4.028	Continuing	Continuing	Continuing
Vessel Operations and Support Navy Hybrid Program Office MX46	MIPR	US Navy:AL	-	-		5.424	Nov 2011	-		5.424	Continuing	Continuing	Continuing
XBR Operations and Support XBR Operations & Support MX46	SS/CPAF	Raytheon:AL/AK/HI	-	-		32.174	Nov 2011	-		32.174	Continuing	Continuing	Continuing
System Force Protection Force Protection MX46	SS/CPFF	Chenega:On Vessel/AK	-	-		4.742	Nov 2011	-		4.742	Continuing	Continuing	Continuing
Subtotal			-	-		146.800		-		146.800			

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

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Missile Defense Agency		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MX46: <i>Sea Based X-Band Radar Development Support</i>

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Missile Defense Agency		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MX46: <i>Sea Based X-Band Radar Development Support</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
In-Port Maintenance Period FY 2012	1	2012	1	2012
GMD Intercept Flight Test (FTG-08)	2	2012	2	2012
In-Port Maintenance Period FY 2013	2	2013	2	2013
In-Port Maintenance Period FY 2014	3	2014	3	2014
In-Port Maintenance Period FY 2015	4	2015	4	2015

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Missile Defense Agency **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR (SBX)</i>	PROJECT MD40: <i>Program-Wide Support</i>
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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
MD40: <i>Program-Wide Support</i>	-	-	7.256	-	7.256	7.230	7.296	7.951	7.399	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0		0	0	0	0	0		

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. 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, 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 among the PEs on a pro-rata basis and therefore fluctuates by year based on the total MDA budget and the individual PE's budget amount.

The budget project did not exist in program wide support in FY2010.

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

	FY 2010	FY 2011	FY 2012
Title: Civilian Salaries and Support	-	-	7.256
Articles:	0	0	0
Description: See Description Below			
FY 2010 Accomplishments: The budget project did not exist in program wide support in FY2010.			
FY 2011 Plans: See paragraph A, Mission Description and Budget Item Justification			
FY 2012 Plans: See paragraph A, Mission Description and Budget Item Justification			
Accomplishments/Planned Programs Subtotals	-	-	7.256

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Missile Defense Agency		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 4: <i>Advanced Component Development & Prototypes (ACD&P)</i>	R-1 ITEM NOMENCLATURE PE 0603907C: <i>SEA BASED X-BAND RADAR</i> (SBX)	PROJECT MD40: <i>Program-Wide Support</i>

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

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

NA