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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Missile Defense Agency	Date: May 2017
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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>
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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	350.627	81.265	93.287	130.695	-	130.695	114.545	126.250	97.666	97.659	Continuing	Continuing
MX46: <i>Sea Based X-Band Radar Development Support</i>	336.840	78.108	90.178	126.737	-	126.737	110.449	120.400	92.966	93.001	Continuing	Continuing
MD40: <i>Program-Wide Support</i>	13.787	3.157	3.109	3.958	-	3.958	4.096	5.850	4.700	4.658	Continuing	Continuing

Program MDAP/MAIS Code: 362

Note

FY2018 increase provides increase from 120-days to 230-days at sea for multiple operations, additional sustainment and test support.

A. Mission Description and Budget Item Justification

The SBX is an advanced X-Band radar that provides the capability for mid-course acquisition, tracking, discrimination and hit-assessment of ballistic missiles. The SBX radar is mounted on a mobile, ocean-going, semi-submersible platform, enabling it to cover any region of the globe. The SBX supports the Ballistic Missile Defense System (BMDS) Homeland defense mission by tracking and discriminating sophisticated Intercontinental Ballistic Missile (ICBM) threats.

SBX Multiple Operations and Test Support status includes 230-days at sea per year for BMDS flight and ground test participation while remaining recallable to an active, operational status when indications and warnings signal the need for enhanced discrimination. The SBX is located in a Pacific port when not required at sea. The SBX maintains vessel certifications for operations at sea as well as software compatibility with the BMDS.

FY 2017 Amended Budget Request Justification: \$+24.500M is required to address emergency warfighting readiness requirements to ensure readiness of the BMDS. \$+9.400M Project MX46-SBX Radar Dev Support/XBR Operations and Support to 1) extend SBX Operations to support NORTHCOM readiness requirements, 2) address emerging DoD Execution Order requiring implementation of a DoD Regional Clock for the BMDS to improve warfighter readiness by ensuring integrity and availability of positioning data, and 3) update X-Band Radar and GMD Fire Control (GFC) interfaces to the x86 architecture to resolve incompatibility and increase radar availability. \$+15.100M Project MX46-SBX Radar Dev Support/Vessel Operations and Support to 1) upgrade and obtain military certification for flight deck use for helicopters up to 16 tons, day or night without maintenance facilities (NAVAIR Level 2 Class 3) to support passenger transfer, resupply and increase radar availability.

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Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0603907C I <i>Sea Based X-Band Radar (SBX)</i>
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B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	71.266	68.787	73.329	-	73.329
Current President's Budget	81.265	93.287	130.695	-	130.695
Total Adjustments	9.999	24.500	57.366	-	57.366
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	9.999	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustment	0.000	24.500	57.366	-	57.366

Change Summary Explanation

The FY 2016 increase supports vessel maintenance and upgrades (flight deck certification, hull painting and caterpillar diesel engine overhauls). FY 2017 Amended Budget Request Justification: \$+24.500M is required to address emergency warfighting readiness requirements to ensure readiness of the BMDS. The increase in FY2018 from PB17 to PB18 provides additional sustainment and an increase from 120-days to 230-days at sea for multiple operations and test support.

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Missile Defense Agency										Date: May 2017		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)				Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
MX46: Sea Based X-Band Radar Development Support	336.840	78.108	90.178	126.737	-	126.737	110.449	120.400	92.966	93.001	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

N/A

A. Mission Description and Budget Item Justification

This project provides developmental operations and support of the SBX Radar and its four major sub-systems: the self-propelled vessel; the X-Band Radar (XBR); the In-Flight Interceptor Communications System Data Terminal; and the communications network. Developmental operations and support activities include operation and sustainment of the vessel, developmental operation and sustainment of the XBR, limited XBR software support and vessel and shore side security.

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

	FY 2016	FY 2017	FY 2018
Title: Vessel Operations and Support	46.574	35.920	79.082
Articles:	-	-	-
<p>Description: Vessel Operations and Support provides for sustainment of the SBX vessel in Multiple Operations and Test Support status. This effort maintains annual surveys and U.S. Coast Guard Certifications to ensure readiness for operational contingencies. The SBX participates in Ballistic Missile Defense System (BMDS) Ground Tests and Flight Tests per the Integrated Master Test Plan (IMTP). Specific and/or unique accomplishments to each FY are as follows:</p> <p>FY 2016 Accomplishments:</p> <p>-Supported vessel maintenance and upgrades to include flight deck certification, hull painting and caterpillar diesel engine overhauls.</p> <p>FY 2017 Plans:</p> <p>-Initiate upgrade for military flight deck use and obtain military certification for helicopters up to 16 tons, day or night without maintenance facilities (NAVAIR Level 2 Class 3) to support passenger transfer, resupply and to expedite transportation of parts and material</p> <p>-Initiate extended SBX Operations to support NORTHCOM readiness requirements</p> <p>FY 2018 Plans:</p> <p>-Increased vessel sustainment and days at sea from 120 to 330 for full operations</p>			

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Missile Defense Agency			Date: May 2017		
Appropriation/Budget Activity 0400 / 4		R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)		Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2016	FY 2017	FY 2018
-Continue upgrade for military flight deck					
Title: System Force Protection Description: This effort provides force protection for SBX. FY 2016 Accomplishments: SEE ABOVE FY 2017 Plans: SEE ABOVE FY 2018 Plans: -Continue force protection, increasing days at sea from 120 to 330 for full operations			3.148	3.070	5.869
Articles:			-	-	-
Title: XBR Operations and Support Description: This effort operates and sustains the X-Band Radar (XBR), operates and sustains SBX communications systems, performs mission integration functions and provides support for contingency operations with manning for improved readiness and short time from notification to underway. XBR Operations and Support maintains limited software sustainment for system capability with the BMDS and fields additional XBR capability to the Warfighter (added to Build 3 software) with the BMDS capability update. This effort also provides precision track, discrimination and hit assessment for engagement support in (BMDS) Ground Tests and Flight Tests per the approved Integrated Master Test Plan (IMTP). FY 2016 Accomplishments: SEE ABOVE FY 2017 Plans: -Initiate update to X-Band Radar and GMD Fire Control (GFC) interfaces to the x86 architecture to resolve incompatibility and increase radar availability -Initiate x86 XBR superdome replacement to address obsolescence requirements and increase the XBR processing capabilities -Initiate implementation of a DoD Regional Clock for the BMDS to improve warfighter readiness by ensuring integrity and availability of positioning data in order to address emerging DoD Execution Order FY 2018 Plans: -Decrease reflects completion of X-Band Radar and GFC interface to the x86 architecture -Continue XBR Operations and Support, increasing days at sea from 120 to 330 for full operations			28.386	51.188	41.786
Articles:			-	-	-

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Appropriation/Budget Activity 0400 / 4				R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)				Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2016	FY 2017	FY 2018
-Continue x86 XBR superdome replacement to address obsolescence requirements and increase the XBR processing capabilities												
-Complete implementation of a DoD Regional Clock for the BMDS to improve warfighter readiness by ensuring integrity and availability of positioning data in order to address emerging DoD Execution Order												
Accomplishments/Planned Programs Subtotals										78.108	90.178	126.737
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
• 0603179C: <i>Advanced C4ISR</i>	9.661	3.626	0.000	-	0.000	0.000	0.000	0.000	0.000	0	13.287	
• 0603882C: <i>Ballistic Missile Defense Midcourse Defense Segment</i>	1,260.480	862.080	828.097	-	828.097	630.842	651.047	567.451	551.701	Continuing	Continuing	
• 0603884C: <i>Ballistic Missile Defense Sensors</i>	233.020	230.077	247.345	-	247.345	247.643	362.850	401.267	497.503	Continuing	Continuing	
• 0603891C: <i>Special Programs - MDA</i>	390.264	323.607	320.190	-	320.190	273.713	254.407	265.119	270.417	Continuing	Continuing	
• 0603896C: <i>Ballistic Missile Defense Command and Control, Battle Management & Communication</i>	425.996	456.267	430.115	-	430.115	461.275	501.956	496.411	514.139	Continuing	Continuing	
• 0603898C: <i>Ballistic Missile Defense Joint Warfighter Support</i>	47.566	47.776	48.954	-	48.954	49.524	52.628	53.573	54.636	Continuing	Continuing	
• 0603904C: <i>Missile Defense Integration and Operations Center (MDIOC)</i>	46.191	54.750	53.265	-	53.265	54.505	57.588	58.574	59.738	Continuing	Continuing	
• 0604879C: <i>Ballistic Missile Defense Sensor Test</i>	83.597	83.250	84.239	-	84.239	65.886	76.218	68.231	56.579	Continuing	Continuing	
Remarks												
D. Acquisition Strategy												
SBX is contractor operated and maintained through a variety of contracts between the Navy and Missile Defense Agency (MDA). SBX-1 Vessel Management and Security contracts are managed by Military Sealift Command. The SBX radar is operated and maintained on contracts managed by MDA.												

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Missile Defense Agency		Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>	Project (Number/Name) MX46 / <i>Sea Based X-Band Radar Development Support</i>
<u>E. Performance Metrics</u> N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Missile Defense Agency												Date: May 2017			
Appropriation/Budget Activity 0400 / 4						R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)						Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support			
Product Development (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Remarks N/A															
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Vessel Operations and Support - Fuel	MIPR	Military Sealift Command : VA	31.134	6.919	Nov 2015	4.990	Nov 2016	9.885	Jan 2018	-		9.885	Continuing	Continuing	Continuing
Vessel Operations and Support - Navy Transition Office	MIPR	US Navy : AL	5.732	0.000		0.000		0.000		-		0.000	0	5.732	0
Vessel Operations and Support - Operational Support Vessel (OSV Resupply)	MIPR	Military Sealift Command : VA	0.000	0.000		0.000		14.670	Feb 2018	-		14.670	Continuing	Continuing	Continuing
Vessel Operations and Support - Program Management Office	MIPR	Military Sealift Command : VA	2.417	1.284	Nov 2015	1.010	Nov 2016	1.900	Oct 2017	-		1.900	Continuing	Continuing	Continuing
Vessel Operations and Support - SBX Operations & Support (Vessel)	C/FFP	Military Sealift Command : VA	97.525	24.675	Oct 2015	17.613	Oct 2016	33.654	Oct 2017	-		33.654	Continuing	Continuing	Continuing
Vessel Operations and Support - SBX Vessel Maintenance	C/FFP	Tote : HI/NJ	18.464	5.907	Oct 2015	3.677	Oct 2016	8.915	Mar 2018	-		8.915	Continuing	Continuing	Continuing
Vessel Operations and Support - Vessel Mission Integration	C/FFP	Gryphon Tech. : AL/ HI	31.436	7.789	Dec 2015	8.630	Dec 2016	10.058	Dec 2017	-		10.058	Continuing	Continuing	Continuing
System Force Protection - Force Protection	SS/CPFF	AQuate : Hi	19.119	3.148	Oct 2015	3.070	Oct 2016	5.869	Oct 2017	-		5.869	Continuing	Continuing	Continuing

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Appropriation/Budget Activity 0400 / 4						R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)						Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support			
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
XBR Operations and Support - SBX Communications Support	SS/CPIF	Boeing : AL/HI	5.296	2.472	Dec 2015	2.640	Dec 2016	2.701	Nov 2017	-		2.701	Continuing	Continuing	Continuing
XBR Operations and Support - XBR Operations & Support	SS/CPIF	Raytheon : AL/AK/HI	125.717	25.914	Nov 2015	48.548	Nov 2016	39.085	Nov 2017	-		39.085	Continuing	Continuing	Continuing
Subtotal			336.840	78.108		90.178		126.737		-		126.737	-	-	-
Remarks N/A															
Test and Evaluation (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Remarks N/A															
Management Services (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Remarks N/A															
			Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			336.840	78.108		90.178		126.737		-		126.737	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Missile Defense Agency							Date: May 2017			
Appropriation/Budget Activity 0400 / 4			R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>			Project (Number/Name) MX46 / <i>Sea Based X-Band Radar Development Support</i>				
	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks N/A										

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Missile Defense Agency														Date: May 2017															
Appropriation/Budget Activity 0400 / 4										R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)										Project (Number/Name) MX46 / Sea Based X-Band Radar Development Support									
Significant Event Complete ▲					Milestone Decision Complete ★					Element Test Complete ◆					System Level Test Complete ●					Complete Activity ◆									
Significant Event Planned △					Milestone Decision Planned ☆					Element Test Planned ◇					System Level Test Planned ○					Planned Activity ◇									
										FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022							
GM CTV-02 Plus (GM, Intercept Flight Test)										▲																			
FTG-15 (GM, Intercept Flight Test)														△															
FTG-11 (IOT&E) (GM, Intercept Flight Test)																	△												
FTG-17 (IOT&E) (GM, Intercept Flight Test)																				△									
FTG-18 (GM, Intercept Flight Test)																						△							

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Missile Defense Agency			Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>	Project (Number/Name) MX46 / <i>Sea Based X-Band Radar Development Support</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
GM CTV-02 Plus (GM, Intercept Flight Test)	2	2016	2	2016
FTG-15 (GM, Intercept Flight Test)	3	2017	3	2017
FTG-11 (IOT&E) (GM, Intercept Flight Test)	4	2018	4	2018
FTG-17 (IOT&E) (GM, Intercept Flight Test)	1	2021	1	2021
FTG-18 (GM, Intercept Flight Test)	1	2022	1	2022

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Missile Defense Agency										Date: May 2017		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)				Project (Number/Name) MD40 / Program-Wide Support			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
MD40: Program-Wide Support	13.787	3.157	3.109	3.958	-	3.958	4.096	5.850	4.700	4.658	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note In FY2016, FY 2017, and FY 2018 Program Wide Support reflects proportional changes as a result of budget changes to the Sea-Based X-Band Radar (SBX). Funding in the All Prior Years column represents a summary of Prior Years Total Costs for active contracts, Military Interdepartmental Purchase Requests on the R-3.												
A. Mission Description and Budget Item Justification PWS contains non-headquarters management costs in support of MDA functions and activities across the entire BMDS. It Includes Government Civilians, and Contract Support Services. This provides integrity and oversight of the BMDS as well as supports MDA in the development and evaluation of technologies that will respond to the changing threat. Additionally, PWS includes Global Deployment personnel and support performing deployment site preparation and activation and, provides facility capabilities for MDA Executing Agent locations. Other MDA wide costs includes: physical and technical security; civilian drug testing; audit readiness; the Science, Technology, Engineering, and Mathematics (STEM) program; legal services and settlements; travel and agency training; office, equipment, vehicle, and warehouse leases; utilities and base operations; data and unified communications support; supplies and maintenance; materiel and readiness and central property management of equipment; and similar operating expenses. PWS is allocated on a pro-rata basis and therefore, fluctuates by year based on the adjusted RDT&E profile (which excludes: 0305103C Cyber Security Initiative, 0603274C Special Programs, 0603913C Israeli Cooperative Program and 0901598C Management Headquarters).												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2016	FY 2017	FY 2018	
Title: Program Wide Support Articles: Description: N/A FY 2016 Accomplishments: N/A FY 2017 Plans: N/A FY 2018 Plans: N/A									3.157	3.109	3.958	
									-	-	-	
Accomplishments/Planned Programs Subtotals									3.157	3.109	3.958	

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Missile Defense Agency		Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>	Project (Number/Name) MD40 / <i>Program-Wide Support</i>
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Missile Defense Agency												Date: May 2017			
Appropriation/Budget Activity 0400 / 4						R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)				Project (Number/Name) MD40 / Program-Wide Support					
Support (\$ in Millions)				FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Wide Support - Agency Facilities, Operations and Maintenance	MIPR	Various : Multi: AK, AL, CA, CO, VA	1.613	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations Management	Allot	Various : Multi: AL, CA, CO, VA	1.571	0.208		0.077	Jul 2017	0.079	Jul 2018	-		0.079	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Other Agency Services (MIPRs)	MIPR	Various : Multi: AL, CA, CO, VA	2.859	2.949		3.032	Mar 2017	3.879	Mar 2018	-		3.879	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services (CPAF)	C/CPAF	Northrop Grumman : CO	7.541	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services (FFP)	C/FFP	Various : Multi: VA,WA	0.203	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services (Reqn)	Reqn	Dept of Labor : VA	0.000	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Subtotal			13.787	3.157		3.109		3.958		-		3.958	-	-	-
Remarks N/A															
			Prior Years	FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			13.787	3.157		3.109		3.958		-		3.958	-	-	-
Remarks N/A															

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Missile Defense Agency																Date: May 2017												
Appropriation/Budget Activity 0400 / 4								R-1 Program Element (Number/Name) PE 0603907C / Sea Based X-Band Radar (SBX)								Project (Number/Name) MD40 / Program-Wide Support												
Significant Event Complete ▲				Milestone Decision Complete ★				Element Test Complete ◆				System Level Test Complete ●				Complete Activity ◆												
Significant Event Planned △				Milestone Decision Planned ☆				Element Test Planned ◇				System Level Test Planned ○				Planned Activity ◇												
								FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022								
MD40 Program-Wide Support								◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Missile Defense Agency			Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0603907C / <i>Sea Based X-Band Radar (SBX)</i>	Project (Number/Name) MD40 / <i>Program-Wide Support</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
MD40 Program-Wide Support	1	2016	4	2022