Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Missile Defense Agency

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)

PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test

Date: February 2015

COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	-	79.877	64.618	-	64.618	73.485	81.385	73.848	94.954	Continuing	Continuing
MT08: Midcourse Test	-	-	79.877	61.777	-	61.777	70.010	77.217	69.914	89.809	Continuing	Continuing
MD40: Program Wide Support	-	-	-	2.841	-	2.841	3.475	4.168	3.934	5.145	Continuing	Continuing

Program MDAP/MAIS Code: 362

Note

Beginning in FY 2015, Midcourse Defense Segment Test was transferred from PE Ballistic Missile Defense Midcourse Defense Segment (0603882C) MT08 Ground Based Midcourse Test project in accordance with Public Law 113-235, FY2015 Omnibus; Consolidated and Further Continuing Appropriations Act.

A. Mission Description and Budget Item Justification

Ballistic Missile Defense Midcourse Defense Segment Test provides the Ground-based Midcourse Defense (GMD) program with an enhanced test program that includes expanding our flight and ground test programs to demonstrate our Initial Homeland Defense and Enhanced Homeland Defense capabilities against long-range threats. The GMD elements of the BMDS Integrated Master Test Plan (IMTP) are intended to demonstrate the integrated missile defense capabilities under development and ensure the capabilities delivered to the Warfighter are operationally effective, suitable, and survivable.

MT08 Midcourse Test consists of three accomplishment areas; Resources, Flight Test Execution, and Ground Test Execution. Resources consist of the support and framework required to successfully conduct both flight and ground testing. Flight Test Execution and Ground Test Execution accomplishments consist of the execution of the individual tests.

MD40 Program-Wide Support (PWS) consists of essential non-headquarters management efforts providing integrated and efficient support to the MDA functions and activities across the entire Ballistic Missile Defense System (BMDS).

PE 0604887C: Ballistic Missile Defense Midcourse Defe... Missile Defense Agency UNCLASSIFIED
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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Missile Defense Agency

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)

PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test

Date: February 2015

D. Drogrey Change Commons (ft in Millians)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
B. Program Change Summary (\$ in Millions)	1 1 2014	1 1 2010	1 1 2010 Base	1 1 2010 000	1 1 2010 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	79.877	64.618	-	64.618
Total Adjustments	-	79.877	64.618	-	64.618
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	79.877			
 Reprogrammings 	-	-			
SBIR/STTR Transfer	-	-			
Other Adjustment	-	-	64.618	-	64.618

Change Summary Explanation

Starting in FY 2015 this was transferred from PE 0603882C: Ballistic Missile Defense Midcourse Defense Segment in accordance with the Consolidated and Further Continuing Appropriations Act, 2015.

Exhibit R-2A, RDT&E Project Ju	ustification	: PB 2016 N	/lissile Defe	nse Agency	/					Date: Febr	uary 2015	
Appropriation/Budget Activity 0400 / 4					PE 060488	37C I Ballist	i t (Number/ ic Missile D egment Tes	Number/Name) idcourse Test				
COST (\$ in Millions)	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost			
MT08: Midcourse Test	-	-	79.877	61.777	-	61.777	70.010	77.217	69.914	89.809	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Beginning in FY 2015, Midcourse Defense Segment Test was transferred from PE Ballistic Missile Defense Midcourse Defense Segment (0603882C) MT08 Ground Based Midcourse Test project in accordance with Public Law 113-235, FY2015 Omnibus; Consolidated and Further Continuing Appropriations Act.

A. Mission Description and Budget Item Justification

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

Midcourse Test provides the Ground-based Midcourse Defense (GMD) program with an enhanced test program that includes expanding our flight and ground test programs to demonstrate our Initial Homeland Defense and Enhanced Homeland Defense capabilities against long-range threats. The GMD elements of the BMDS Integrated Master Test Plan (IMTP) are intended to demonstrate the integrated missile defense capabilities under development and ensure the capabilities delivered to the Warfighter are operationally effective, suitable, and survivable.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016
Title: Resources	-	16.913	18.493
Articles:	-	-	-
Description: Provides support associated with day-to-day operations of the flight and ground test programs to include engineering support for ground test planning, execution, and post-event reconstruction.			
FY 2014 Accomplishments: -Located in PE 0603882C: Ballistic Missile Defense Midcourse Defense Segment MT08			
FY 2015 Plans: -Provide test infrastructure and coordination of flight test range support from Vandenberg Air Force Base, California for all range activities, engineering, operators and GBI transportation, including preparation for the first GBI salvo flight test -Provide Ballistic Missile Defense System (BMDS) flight and ground test execution situational awareness through the use of the Missile Defense Agency Integration and Operations Center (MDIOC) housing flight, ground and operational controlled assets of the GMD system from Colorado Springs, CO -Support pre- and post-flight test mission communications to include fulfillment of requirements and data analysis -Provide System Test Lab support to the engineering, accreditation, operations and maintenance of Flight and Ground Test Programs			

EV 2044 EV 2045

Exhibit R-2A, RDT&E Project Justification: PB 2016 Missil	le Defense Agency		Date: F	ebruary 2015	i
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test	Project MT08 /			
B. Accomplishments/Planned Programs (\$ in Millions, Ar	ticle Quantities in Each)		FY 2014	FY 2015	FY 2016
-Support risk reduction testing through the use of the Prime Cactivities leading up to scheduled flight tests and supported b	Consolidated Integration Lab designed for engineering and integrate analysts, environments and equipment	ration			
FY 2016 Plans: -Increase from FY 2015 to FY 2016 due to alignment of MDA	test priorities to latest Integrated Master Test Plan.				
activities, engineering, operators and GBI transportation, inclProvide Ballistic Missile Defense System (BMDS) flight and inclementary Missile Defense Agency Integration and Operations Center (Interest of the GMD system from Colorado Springs, CO -Support pre- and post-flight test mission communications to provide System Test Lab support to the engineering, accreding Programs -Support risk reduction testing through the use of the Prime Continue salvo range infrastructure upgrades at Vandenberg based Midcourse Defense-11 (FTG-11) -Provide engineering support for planning and execution of the provide in the support of the provide engineering support for planning and execution of the provide in the support of the provide engineering support for planning and execution of the provide engineering su	ground test execution situational awareness through the use of the MDIOC) housing flight, ground and operational controlled assets include fulfillment of requirements and data analysis ditation, operations and maintenance of Flight and Ground Test Consolidated Integration Lab designed for engineering and integration.	ration bund-			
Title: Flight Test Execution	Art	icles:		57.878 -	37.07
	phenomenology that cannot be adequately tested or obtained dactual hardware and to demonstrate Ballistic Missile Defense Sy conditions.				
FY 2014 Accomplishments: -Located in PE 0603882C: Ballistic Missile Defense Midcours	se Defense Segment MT08				
	ontrol Test Vehicle-02+ (CTV-02+), a 3-stage Capability Enhance om Vandenberg Air Force Base, California against an intermedia				

PE 0604887C: *Ballistic Missile Defense Midcourse Defe...*Missile Defense Agency

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Missile De		_		ebruary 2015	<u> </u>		
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604887C / Ballistic Missile Defense Midcourse Defense Segment Test		t (Number/Name) Midcourse Test				
B. Accomplishments/Planned Programs (\$ in Millions, Article	Quantities in Each)	FY	2014	FY 2015	FY 2016		
range ballistic missile (IRBM)air-launched target with associated of Ground-based Midcourse Defense-09 (FTG-09) per revised MDACollect Critical Engagement Conditions (CEC) / Empirical Meast Simulations (M&S) -Initiate planning for Flight Test Ground-based Midcourse Defense launched from Vandenberg Air Force Base, California against a ta (RTS))	Integrated Master Test Plan urement Events (EME) data that validates Models and e-15 (FTG-15), a 3-stage C2/CBAU intercept using a GBI						
FY 2016 Plans: -Decrease from FY 2015 to FY 2016 due to CTV-02+ being conduture funding falls in previous and following FYs.	ucted early in 1Q FY16 and FTG-15 being late 4Q FY16, th	us					
-Conduct Flight Test Ground-based Midcourse Defense Controlle Enhancement II (CE-II) non-intercept engagement using a GBI lar air launched IRBM with associated objects -Conduct Flight Test Ground-based Midcourse Defense-15 (FTG-intercept engagement using a GBI launched from Vandenberg Air objects, launched from Reagan Test Site (RTS)Collect Critical Engagement Conditions (CEC) / Empirical Measing Simulations (M&S)	unched from Vandenberg Air Force Base, California agains 15), a 3-stage Capability Enhancement II (CE-II) C2/CBAU ir Force Base, California against an ICBM target with associ urement Events (EME) data that validates Models and	it an					
-Initiate planning for Flight Test Ground-based Midcourse Defense using GBIs launched from Vandenberg Air Force Base, California Test Site (RTS)							
Title: Ground Test Execution	Ar	ticles:	-	5.086	6.21		
Description: Ground tests demonstrate and validate Warfighter to both in the Hardware-in-the-loop (HWIL) lab and in the field. HWII (BMDS) system- level performance based on new element capable assets and tactical communication networks, to integrate, assess	Lab tests integrate and assess Ballistic Missile Defense Sillities. Ground tests in the field use existing fielded element	ystem					
FY 2014 Accomplishments: -Located in PE 0603882C: Ballistic Missile Defense Midcourse Def	efense Segment MT08						
FY 2015 Plans:							

PE 0604887C: *Ballistic Missile Defense Midcourse Defe...*Missile Defense Agency

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Exhibit R-2A, RDT&E Project Justi	ification: PB	2016 Missil	e Defense A	gency					Date: Fe	bruary 2015	
Appropriation/Budget Activity 0400 / 4				PE 06	rogram Elei 604887C / Ba ourse Defens	allistic Missile	Defense		(Number/Na Midcourse To		
B. Accomplishments/Planned Pro	grams (\$ in N	Millions, Ar	ticle Quantit	ies in Each	<u>1)</u>				FY 2014	FY 2015	FY 2016
-Complete support execution of BME BMDS sensors -Continue to support planning and suintegration of additional BMDS asset and the Space-Based Infrared Systemsing a lab based Hardware-in-the-L-Support execution planning of BMD mission functionality of the Ground-fielded assets and long haul community of the Ground-Bright Plans: -Increase from FY 2015 to FY 2016 -Continue execution of BMDS Ground functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the mission functionality of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and execution of the Ground-based Minassets and long haul communication -Support planning and ex	upport execut ts (Ft. Drum, I em (SBIRS) In loop (HWIL) (I IS Ground Tel loased Midcou nications network due to alignment and Test Distrik idcourse Defens networks BMDS Ground nd-based Mid-	tion of BMD NY In-Flight ncrement 2 Configuration st Distributed rise Defense works ment of MDA puted-06 (G ense (GMD) d Test-07a	S Ground Te t Interceptor (Change), and on during Gro ed-06 (GTD-0 e (GMD) Fire test priorities TD-06) test of Fire Control test campaignense (GMD)	st-06 test ca Communica I demonstra und Test Int 16) test cam Control (Gf is to latest In eampaign to (GFC) versi in (GTX-07a Fire Control	ampaign to a tions System te GMD Fire tegrated -06 paign to assemble for the following tegrated Main assess BME ion 6B3 BME / GTI-07a) to I (GFC) version	ssess BMDS (IFICS) Data Control (GF (GTI-06) ess BMDS ca BB3 BMDS ca ster Test Pla DS capabilitie DS capabilitie D assess BM on 6B3 BMD	capabilities a Terminal (IC) 6B3 capa apabilities as apabilities us apabilities us apabilities us and the mas using field DS capabilities	with IDT), abilities and the sing anission ed ies and			
SBIRS Increment 2 Interface through	h C2BMC, Fu	ture Sensor	r Utilization a								
				Acco	mplishment	s/Planned P	rograms Su	ibtotals	-	79.877	61.77
C. Other Program Funding Summa Line Item • 0603882C: Ballistic	ery (\$ in Milli FY 2014 1,064.445	FY 2015	FY 2016 Base 1,284.891	FY 2016 OCO	FY 2016 Total 1,284.891	FY 2017 936.425	FY 2018 803.392	FY 2019 903.539		Cost To Complete Continuing	Total Co
Missile Defense Midcourse Defense Segment • 0603914C: Ballistic Missile Defense Test	342.695	366.302	274.323	-	274.323	298.390	345.333	330.404	350.747	Continuing	Continui
• 0603915C: Ballistic Missile Defense Targets • 0604874C: Improved Homeland	501.170	455.068 99.500	513.256 278.944	-	513.256 278.944	585.727 279.565	484.242 71.663	442.202 14.004		Continuing Continuing	Continui

PE 0604887C: *Ballistic Missile Defense Midcourse Defe...*Missile Defense Agency

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Missile Defense Agency	/	Date: February 2015
	R-1 Program Element (Number/Name) PE 0604887C / Ballistic Missile Defense	umber/Name) dcourse Test
	Midcourse Defense Segment Test	

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

			FY 2016	FY 2016	FY 2016					Cost To	
<u>Line Item</u>	FY 2014	FY 2015	Base	OCO	<u>Total</u>	FY 2017	FY 2018	FY 2019	FY 2020	Complete	Total Cost

Remarks

D. Acquisition Strategy

The Ground-based Midcourse Defense (GMD) program will continue to follow testing, development, and evolutionary acquisition through incremental development. The Agency acquisition strategy ensures that the GMD components are upgraded to improve both system performance and interceptor reliability in order to retain the proven GMD contribution to the Integrated Ballistic Missile Defense System (BMDS). This acquisition approach minimizes the risk of parts availability, provides opportunities for incremental capability improvements, and allows decision makers to make informed trades between cost, schedule, and performance while exploring improved operational and technological capabilities.

GMD awarded a competitive Development and Sustainment Contract (DSC) on December 30, 2011. This contract continues development, fielding, test, systems engineering, integration, and configuration management; equipment manufacturing and upgrade; training, operations and sustainment of the GMD system and associated support facilities. The DSC emphasizes the application of performance-based tenets to provide timely high quality support of the core GMD system while reducing life cycle and long-term ownership costs. GMD's acquisition strategy for transition of the legacy content into the DSC provides uninterrupted field operations; development of both Ground Systems and Interceptor (GBI) products, including manufacturing additional interceptors to support both operations and testing; and the requirement to demonstrate war fighting capability through a rigorous ground and flight test program.

E. Performance Metrics

N/A

PE 0604887C: Ballistic Missile Defense Midcourse Defe... Missile Defense Agency

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Missile Defense Agency

R-1 Program Element (Number/Name)

PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test Project (Number/Name)

Date: February 2015

MT08 / Midcourse Test

Support (\$ in Million	s)			FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Total Cost	Target Value of Contract
Resources - Small Business Innovation Research (SBIR)	MIPR	MDA : AL/VA	0.000	-		-		0.959		-		0.959	Continuing	Continuing	Continuing
	_	Subtotal	0.000	-		_		0.959		-		0.959	-	-	-

Remarks

0400 / 4

Appropriation/Budget Activity

N/A

Test and Evaluation	(\$ in Milli	ons)		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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	Total Cost	Target Value of Contract
Resources - Engineering & Analysis - Industry Support	C/CPAF	Boeing : AL	0.000	-		2.423		1.851		-		1.851	-	4.274	-
Resources - Engineering & Analysis - OGA Support	MIPR	AMRDEC : AL	0.000	-		2.389		1.709		-		1.709	-	4.098	-
Resources - Government Infrastructure Support, Labs, and Communications	MIPR	VAFB : CA/AL/CO	0.000	-		6.443		6.849		-		6.849	Continuing	Continuing	Continuing
Resources - Prime Infrastructure Support, Labs, and Communications	C/CPAF	Boeing : AL/AK/AZ/ CA/CO/OR/TX//VA	0.000	-		5.658		7.125		-		7.125	Continuing	Continuing	Continuing
Flight Test Execution - Planning and Silo Refurbishment	C/CPAF	Boeing : AL/AK/AZ/ CA/CO/OR/TX/VA	0.000	-		26.964		15.668		-		15.668	Continuing	Continuing	Continuing
Flight Test Execution - Range, Resources, and Engineering	MIPR	VAFB/PMRF : CA/HI	0.000	-		30.914		21.406		-		21.406	Continuing	Continuing	Continuing
Ground Test Execution - Ground Test-04 Campaign	C/CPAF	Boeing : AL/AK/AZ/ CA/CO/TX/VA	0.000	-		1.264		-		-		-	-	1.264	-

PE 0604887C: Ballistic Missile Defense Midcourse Defe... Missile Defense Agency UNCLASSIFIED
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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Missile Defense Agency

Date: February 2015

Appropriation/Budget Activity 0400 / 4

R-1 Program Element (Number/Name) PE 0604887C I Ballistic Missile Defense

Project (Number/Name) MT08 / Midcourse Test

Midcourse Defense Segment Test

Test and Evaluation	(\$ in Milli	ons)		FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO					
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	Total Cost	Target Value of Contract
Ground Test Execution - Ground Test-06 Campaign	C/CPAF	Boeing : AL/AK/AZ/ CA/CO/TX/VA	0.000	-		3.741		2.181		-		2.181	Continuing	Continuing	Continuing
Ground Test Execution - Ground Test-07 Campaign	C/CPAF	Boeing : AL/AK/AZ/ CA/CO/TX/VA	0.000	-		0.081		4.029		-		4.029	Continuing	Continuing	Continuing
		Subtotal	0.000	-		79.877		60.818		-		60.818	-	-	-

Remarks

N/A

	Prior Years	FY 2	014	FY 2	2015	FY 2 Ba		2016 CO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-		79.877		61.777	-		61.777	-	- '	-

Remarks

N/A

nibit R-4, RDT&E Schedule Profile: PB 2016 Missile Defense Agency																							Date: February 20			201		
ppropriation/Budget Activity 100 / 4										(Num Midco																		
Significant Event Complete Milestone I Significant Event Planned Milestone I GM CTV-02+ (GM Flight Test)	Decision F	Plan	ned 2 014	-:::\ 	FY:	2015	Elem	FY 2	Test 2 016	Plar	rplete ined FY 2	017		FY 2	Sys	sten 8	n Le	evel	Tes	t PI	F	ed / 20	020			ilete Ac ed Acti		+ ⊹
FTG-15 (GM Intercept Flight Test)	-+			+				+		\forall		\dashv									+	+	+					
FTG-11 (GM Salvo Intercept Flight Test)										_			$^{\wedge}$															
GM CTV-03 (GM Flight Test)															Δ													
, ,																												
FTG-17 (GM Intercept Flight Test)																			\triangle									

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Missile Defense Agency			Date: February 2015
Appropriation/Budget Activity 0400 / 4	,	, ,	umber/Name) dcourse Test

Schedule Details

	Sta	art	End		
Events	Quarter	Year	Quarter	Year	
GM CTV-02+ (GM Flight Test)	1	2016	1	2016	
FTG-15 (GM Intercept Flight Test)	4	2016	4	2016	
FTG-11 (GM Salvo Intercept Flight Test)	4	2017	4	2017	
GM CTV-03 (GM Flight Test)	3	2018	3	2018	
FTG-17 (GM Intercept Flight Test)	3	2019	3	2019	
FTO-04 (OTA Intercept Flight Test)	3	2020	3	2020	

Note

Notes: CTV - Controlled Test Vehicle; GTI - Ground Test Integrated; GTD - Ground Test Distributed; GTX - Ground Test Exercise; GDEx - Global Defender Exercise; FTG - Flight Test Ground-Based Interceptor; FTO - Flight Test Operational; FTX - Flight Test Exercise

Exhibit R-2A, RDT&E Project Ju	Date: Febr	ruary 2015										
Appropriation/Budget Activity 0400 / 4 PE 0604887C / Ballistic Missile Defense Midcourse Defense Segment Test							efense	Project (Number/Name) MD40 / Program Wide Support				
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
MD40: Program Wide Support	-	-	-	2.841	-	2.841	3.475	4.168	3.934	5.145	Continuing	Continuing
Quantity of RDT&E Articles	-	-	_	-	-	-	-	-	-	-		

Note

Beginning FY 2016, Program Wide Support was proportionately allocated to Ballistic Missile Defense Midcourse Defense Segment Test

A. Mission Description and Budget Item Justification

Program-Wide Support (PWS) contains non-headquarters management costs in support of Missile Defense Agency (MDA) functions and activities across the entire Ballistic Missile Defense System (BMDS). It Includes Government Civilians, Contract Support Services, and Federally Funded Research and Development Center (FFRDC) support. 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 and equipment leases; utilities; data and unified communications support; supplies and maintenance; materiel and readiness and central property management of equipment; and similar operating expenses. Program Wide Support is allocated on a pro-rata basis and therefore, fluctuates by year based on the total adjusted RDT&E profile (which excludes:0305103C Cyber Security Initiative, 0603274C Special Program, 0603913C Israeli Cooperative Program and 0901598C Management Headquarters).

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2014	FY 2015	FY 2016
Title: Program Wide Support	-	-	2.841
Articles:	-	-	-
Description: N/A			
FY 2014 Accomplishments: - FY 2014 Accomplishments were captured in multiple RDT&E Program Elements under MD40 Budget Project			
FY 2015 Plans: - FY 2015 Accomplishments are captured in multiple RDT&E Program Elements under MD40 Budget Project			
FY 2016 Plans: - Beginning in FY 2016, Program Wide Support was redistributed across RDT&E Program Elements with a proportional allocation to Ballistic Missile Defense Midcourse Defense Segment Test - See paragraph A: Mission Description and Budget Item Justification			
Accomplishments/Planned Programs Subtotals	-	-	2.841

PE 0604887C: Ballistic Missile Defense Midcourse Defe... Missile Defense Agency

Appropriation/Budget Activity 0400 / 4 R-1 Program Element (Number/Name) PE 0604887C / Ballistic Missile Defense Midcourse Defense Segment Test C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A	Exhibit R-2A, RDT&E Project Justification: PB 2016 Missile Defense Agency	Date: February 2015				
N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics		PE 0604887C I Ballistic Missile Defense				
D. Acquisition Strategy N/A E. Performance Metrics						
N/A E. Performance Metrics	<u>Remarks</u>					

PE 0604887C: *Ballistic Missile Defense Midcourse Defe...*Missile Defense Agency

Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Missile Defense Agency

R-1 Program Element (Number/Name)

Project (Number/Name)

Appropriation/Budget Activity 0400 / 4

PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test MD40 I Program Wide Support

Date: February 2015

Support (\$ in Millions	s)			FY 2	2014	FY 2	2015	FY 2 Ba		FY 2	2016 CO	FY 2016 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	Total Cost	Target Value of Contract
Program Wide Support - Agency Operations and Support Services	C/CPFF	Various : Multi: AL, VA	0.000	-		-		2.841		-		2.841	Continuing	Continuing	Continuing
		Subtotal	0.000	-		-		2.841		-		2.841	-	-	-

Remarks

N/A

	Prior Years	FY 2	2014	FY 2	2015	FY 2016 Base		2016 CO	FY 2016 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	0.000	-		-		2.841	-		2.841	-	-	-

Remarks

N/A

chibit R-4, RDT&E Schedule Profile: PB 201	6 Missile Defense Agency		Date: February 2015
opropriation/Budget Activity 00 / 4		R-1 Program Element (Number/Name) PE 0604887C I Ballistic Missile Defense Midcourse Defense Segment Test	Project (Number/Name) MD40 / Program Wide Support
		ient Test Complete 🔷 System Level Test Comple ient Test Planned 💠 System Level Test Plannec	
MD40 Program-Wide Support	1 2 3 4 1 2 3 4 1	FY 2016	

PE 0604887C: *Ballistic Missile Defense Midcourse Defe...*Missile Defense Agency

Exhibit R-4A, RDT&E Schedule Details: PB 2016 Missile Defense Agency		Date: February 2015
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604887C / Ballistic Missile Defense Midcourse Defense Segment Test	umber/Name) ogram Wide Support

Schedule Details

	St	art	End		
Events	Quarter	Year	Quarter	Year	
MD40 Program-Wide Support	1	2016	4	2020	