Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Missile Defense Agency

Appropriation/Budget Activity R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4:

PE 0604876C I Ballistic Missile Defense Terminal Defense Segment Test

Date: March 2019

Advanced Component Development & Prototypes (ACD&P)

COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	185.590	35.738	61.017	25.137	-	25.137	32.124	48.087	61.224	22.584	Continuing	Continuing
MT07: THAAD Test	178.130	32.863	57.892	24.417	-	24.417	31.011	46.216	58.579	21.840	Continuing	Continuing
MD40: Program Wide Support	7.460	2.875	3.125	0.720	-	0.720	1.113	1.871	2.645	0.744	Continuing	Continuing

Program MDAP/MAIS Code: 362

Note

Decrease from FY 2019 to FY 2020 is in accordance with the Integrated Master Test Plan (IMTP).

A. Mission Description and Budget Item Justification

Ballistic Missile Defense Terminal Defense Segment Test provides the Terminal High Altitude Area Defense (THAAD) program's participation in Ballistic Missile Defense System (BMDS) Flight Tests and Ground Tests in accordance with the BMDS Integrated Master Test Plan (IMTP). THAAD Test coordinates with Operational Test Agencies, conducts pretest planning, coordination and analysis, conducts flight test operations, performs post-flight test reporting, and performs data distribution and storage.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	36.239	61.017	16.917	-	16.917
Current President's Budget	35.738	61.017	25.137	-	25.137
Total Adjustments	-0.501	0.000	8.220	-	8.220
 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	-0.501	0.000			
SBIR/STTR Transfer	0.000	0.000			
 Missile Defeat and Defense Enhancement 	0.000	0.000	0.000	=	0.000
Other Adjustment	0.000	0.000	8.220	-	8.220

Change Summary Explanation

Increase in FY 2020 from PB19 to PB20 reflects transfer of test related Program Operations from the Terminal Defense Segment 0603881C Program Element to this Program Element.

PE 0604876C: Ballistic Missile Defense Terminal Defen... Missile Defense Agency

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Exhibit R-2A, RDT&E Project Ju	Date: March 2019											
Appropriation/Budget Activity 0400 / 4		PE 060487	am Elemen 76C <i>I Ballist</i> Defense Seg	ic Missile D	•	Project (Number/Name) MT07 / THAAD Test						
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
MT07: THAAD Test	178.130	32.863	57.892	24.417	-	24.417	31.011	46.216	58.579	21.840	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Decrease from FY 2019 to FY 2020 is in accordance with the Integrated Master Test Plan (IMTP).

A. Mission Description and Budget Item Justification

THAAD Test conducts BMDS Flight Tests and Ground Tests with other BMDS elements (such as Army Navy / Transportable Radar Surveillance (AN/TPY-2), BMDS Command, Control, Battle Management, and Communication (C2BMC), PATRIOT, and Aegis) in accordance with the BMDS IMTP. THAAD Test coordinates with Operational Test Agencies, conducts all pre and post flight test, ground test, cyber security enhancements, and war-games and exercises requirements.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020
Title: Flight Test Execution	12.387	46.482	7.081
Articles:	-	-	-
Description: Performs all requirements to support flight test execution such as mission planning, pre-flight integration testing, conduct of readiness reviews, test asset transportation, flight test execution and data collection, post flight test reporting and data distribution in accordance with IMTP.			
Specific and/or unique planned accomplishments to each FY are as follows:			
FY 2019 Plans: - SEE ABOVE			
FY 2020 Plans: - SEE ABOVE			
FY 2019 to FY 2020 Increase/Decrease Statement: Decrease from FY 2019 to FY 2020 is in accordance with the Integrated Master Test Plan (IMTP).			
Title: Ground Test Execution	7.149	7.669	5.717
Articles:	-	-	-
Description: Ground Test Execution includes:			
- THAAD participation in MDA Ground Test operational scenario events to ensure THAAD's ability to conduct coordinated engagements with Aegis and PATRIOT operating with C2BMC and AN/TPY-2.			

PE 0604876C: Ballistic Missile Defense Terminal Defen... Missile Defense Agency UNCLASSIFIED
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efense Agency		Date: M	larch 2019	
R-1 Program Element (Number/Name) PE 0604876C I Ballistic Missile Defense Terminal Defense Segment Test				
Quantities in Each)		FY 2018	FY 2019	FY 2020
re prior to hardware-in-the-loop (HWIL) testing enabling a remance and interoperability within the integrated BMDS as follows: all scenario events GT-07, GT-08 and GTI-ISR campaigns. It is to conduct replication activities prior to hardware-in-the scenario events GT-07, GT-08, and GT-20. Inalyses for FTO-03.				
· , ,	rticles:	13.012	3.279	2.9
and pre-mission analysis to ensure THAAD test asset read porting in support of BMDS tests to ensure data collection nance and interoperability within the integrated BMDS	liness,			
	PE 0604876C I Ballistic Missile Defense Terminal Defense Segment Test Quantities in Each) , and execution to support BMDS Ground and Flight Test to prior to hardware-in-the-loop (HWIL) testing enabling a mance and interoperability within the integrated BMDS as follows: all scenario events GT-07, GT-08 and GTI-ISR campaigns. It ware to conduct replication activities prior to hardware-in-the scenario events GT-07, GT-08, and GT-20. Inalyses for FTO-03. And pre-mission analysis to ensure THAAD test asset read and pre-mission analysis to ensure THAAD test asset read.	R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test Quantities in Each) , and execution to support BMDS Ground and Flight Test re prior to hardware-in-the-loop (HWIL) testing enabling a more mance and interoperability within the integrated BMDS as follows: Il scenario events GT-07, GT-08 and GTI-ISR campaigns. tware to conduct replication activities prior to hardware-in-the- al scenario events GT-07, GT-08, and GT-20. Inalyses for FTO-03. Ingrated Master Test Plan (IMTP). Articles: Articles: Articles: And pre-mission analysis to ensure THAAD test asset readiness, porting in support of BMDS tests to ensure data collection and mance and interoperability within the integrated BMDS	R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test MT07 / THAAD Test Quantities in Each) , and execution to support BMDS Ground and Flight Test re prior to hardware-in-the-loop (HWIL) testing enabling a more mance and interoperability within the integrated BMDS as follows: It scenario events GT-07, GT-08 and GTI-ISR campaigns. tware to conduct replication activities prior to hardware-in-the- all scenario events GT-07, GT-08, and GT-20. Inalyses for FTO-03. Ingrated Master Test Plan (IMTP). Articles: Articles: 13.012 Articles: Articles:	R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test Quantities in Each) , and execution to support BMDS Ground and Flight Test re prior to hardware-in-the-loop (HWIL) testing enabling a more mance and interoperability within the integrated BMDS as follows: If scenario events GT-07, GT-08 and GTI-ISR campaigns. tware to conduct replication activities prior to hardware-in-the- all scenario events GT-07, GT-08, and GT-20. Inalyses for FTO-03. Igrated Master Test Plan (IMTP). Articles: 13.012 3.279 Articles: - and pre-mission analysis to ensure THAAD test asset readiness, porting in support of BMDS tests to ensure data collection and mance and interoperability within the integrated BMDS

PE 0604876C: *Ballistic Missile Defense Terminal Defen...*Missile Defense Agency

Exhibit R-2A, RDT&E Project Justification: PB 2020 Missile De	fense Agency		Date: M	arch 2019			
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604876C I Ballistic Missile Defense Terminal Defense Segment Test		oject (Number/Name) 07				
B. Accomplishments/Planned Programs (\$ in Millions, Article	Quantities in Each)	Γ	FY 2018	FY 2019	FY 2020		
- SEE ABOVE.							
FY 2019 to FY 2020 Increase/Decrease Statement: N/A							
Title: War-games and Exercises	Ar	ticles:	0.315	0.462	0.45		
Description: War-games and Exercises support the Combatant C matter expertise during exercise events. Continue to assist in development Responses to incorporate in future events. Demonstrate and Missile Defense (IAMD) environment.	veloping/refining Tactics, Techniques, and Procedures and	Pre-					
Specific and/or unique planned accomplishments to each FY are	as follows:						
FY 2019 Plans: - SEE ABOVE.							
FY 2020 Plans: - SEE ABOVE.							
FY 2019 to FY 2020 Increase/Decrease Statement: N/A							
Title: Test Program Operations	Ar	ticles:	0.000	0.000	8.20		
Description: Program Operations provides strategic planning, promanagement, internal reviews and audits, and program assessment							
Specific and/or unique planned accomplishments to each FY are	as follows:						
FY 2019 Plans: -SEE ABOVE.							
FY 2020 Plans: -SEE ABOVE.							
FY 2019 to FY 2020 Increase/Decrease Statement:							

PE 0604876C: *Ballistic Missile Defense Terminal Defen...*Missile Defense Agency

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Missile Defense Agence	Date: March 2019	
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604876C I Ballistic Missile Defense Terminal Defense Segment Test	Project (Number/Name) MT07 / THAAD Test

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020
Increase from FY 2019 to FY 2020 reflects transfer of test related Program Operations from the Terminal Defense Segment 0603881C Program Element to this Program Element.			
Accomplishments/Planned Programs Subtotals	32.863	57.892	24.417

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

			FY 2020	FY 2020	FY 2020					Cost To	
<u>Line Item</u>	FY 2018	FY 2019	Base	<u>000</u>	<u>Total</u>	FY 2021	FY 2022	FY 2023	FY 2024	Complete	Total Cost
 0208866C: MD07: THAAD OM 	70.044	87.560	99.819	-	99.819	97.801	101.010	99.504	107.618	Continuing	Continuing
• 0208866C: MD07:	1,125.732	1,014.068	425.863	-	425.863	430.719	381.628	417.431	432.831	0.000	4,228.272
THAAD Procurement											
 0603881C: Ballistic Missile 	454.147	388.273	302.761	-	302.761	234.679	227.921	179.248	197.459	Continuing	Continuing
Defense Terminal Defense Segment											
 0603914C: Ballistic 	406.806	515.897	395.924	-	395.924	417.946	335.481	451.723	405.136	Continuing	Continuing
Missile Defense Test											

Remarks

D. Acquisition Strategy

THAAD awards Indefinite Delivery Indefinite Quantity (IDIQ) Task Orders on the Advanced Capability Development (ACD) contract for the continuation of THAAD development and test as described and approved in the MDA Integrated Master Test Plan. The discrete task orders allow management and tracking of IMTP-related work.

E. Performance Metrics

N/A

PE 0604876C: Ballistic Missile Defense Terminal Defen... Missile Defense Agency UNCLASSIFIED
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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Missile Defense Agency

Appropriation/Budget Activity

0400 / 4

R-1 Program Element (Number/Name)
PE 0604876C I Ballistic Missile Defense

Terminal Defense Segment Test

Project (Number/Name)

Date: March 2019

MT07 I THAAD Test

Support (\$ in Millions	Support (\$ in Millions)						2019	FY 2 Ba		FY 2	2020 CO	FY 2020 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
Test Program Operations - Program Operations	Various	Missile Defense Agency (MDA) : Ft. Belvoir, VA/ Huntsville, AL	0.000	0.000		0.000		8.206	Nov 2019	-		8.206	Continuing	Continuing	Continuing
		Subtotal	0.000	0.000		0.000		8.206		-		8.206	Continuing	Continuing	N/A

Remarks

N/A

Test and Evaluation (\$ in Milli		ons)	FY 2	2018	FY 2	2019		2020 ise		2020 CO	FY 2020 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
Flight Test Execution - Execution, Support and Planning	MIPR	MDA / AMRDEC / KLC / Wake Island / RTS : AL / CO / AK / HI / Wake Island / Kwaj	98.917	7.485	Nov 2017	25.262	Nov 2018	3.541	Nov 2019	-		3.541	Continuing	Continuing	Continuing
Flight Test Execution - Planning, Analysis, and Execution	SS/IDIQ	Lockheed Martin : Sunnyvale, CA / Huntsville, AL	48.361	4.902	Nov 2017	21.220	Nov 2018	3.540	Nov 2019	-		3.540	Continuing	Continuing	Continuing
Ground Test Execution - BMDS Ground Test Support	MIPR	US Army AMRDEC : Huntsville, AL	12.280	7.149	Dec 2017	7.669	Dec 2018	5.717	Dec 2019	-		5.717	Continuing	Continuing	Continuing
Resources - All Prior Years	Various	Various : Various	5.961	0.000		0.000		0.000		-		0.000	0.000	5.961	0.000
Resources - Test and Range Infrastructure	MIPR	US Army AMRDEC / White Sands Missile Range / Lincoln Labs : Huntsville, AL / White Sands, NM / MA	11.856	13.012	Dec 2017	3.279	Dec 2018	2.954	Dec 2019	-		2.954	Continuing	Continuing	Continuing
War-games and Exercises - Wargames and Exercises	MIPR	MDA / Space and Missile Defense	0.755	0.315	Nov 2017	0.462	Nov 2018	0.459	Nov 2019	-		0.459	Continuing	Continuing	Continuing

PE 0604876C: *Ballistic Missile Defense Terminal Defen...* Missile Defense Agency

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Missile Defense Agency

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Date: March 2019

Appropriation/Budget Activity

0400 / 4

R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Project (Number/Name)

Terminal Defense Segment Test

MT07 I THAAD Test

-	est and Evaluation (est and Evaluation (\$ in Millions)						2019	FY 2 Ba	2020 ise	FY 2	2020 CO	FY 2020 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
			Command : Huntsville, AL													
			Subtotal	178.130	32.863		57.892		16.211		-		16.211	Continuing	Continuing	N/A

Remarks

N/A

												Target
	Prior				FY 2	2020	FY:	2020	FY 2020	Cost To	Total	Value of
	Years	FY 2	2018 FY	2019	Ва	ise	0	co	Total	Complete	Cost	Contract
Project Cost Totals	178.130	32.863	57.892		24.417		-		24.417	Continuing	Continuing	N/A

Remarks

Award Date reflects date of first obligation. Additional obligations may incrementally occur throughout the year.

PE 0604876C: Ballistic Missile Defense Terminal Defen... Missile Defense Agency

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EXIIIDIL R-4, RD I &E Scriedu	le Profile: PB 2020 Missile Defens	se Agency										Date.	iviai	ch 2019			
Appropriation/Budget Activity 0400 / 4			PE 06048	76C <i>I B</i>	ement (Nu Ballistic Mis Segment	sile	Defe				oject (Number/Name) TO7						
Significant Event Complete ▲ Significant Event Planned △	Milestone Decision Complete ★ Milestone Decision Planned ☆	Element Test C			Syster Syster					•		Complete Planned					
			FY	/ 2018	FY 2019	FY 2019 FY 2020		F	Y 2021		FY 2022		FY 2023		Y 2024		
FTX-35 (TH, Target Only Flight Test)				A													
GT-19 Sprint 2 (JEON) (BMDS Ground	nd Test)				\$												
FTT-23 (TH, DT Intercept Flight Test)					1	Δ											
GTI-07c (N/P) (BMDS Ground Test)						\$											
FTX-39 (LTPO, DT Target Only Flight	t Test)					Δ											
FTP-27 E1 (LTPO, DT/OT Flight Test)						Δ										
GT-20 Sprint (JEON) (BMDS Ground	Test)						\$										
FTP-27 E2 (LTPO, DT/OT Flight Test)						Δ										
FTO-03 (OTA, OT Intercept Flight Tes	st)							Δ									
GTI-08 (N/P) (BMDS Ground Test)								\$	\$								
TH CTV-01 (LTPO, DT Interceptor O	nly Flight Test)								Δ								
FTT-21 (TH, DT Intercept Flight Test)										Δ							
FTP-28 (LTPO, OT Intercept Flight Te	est)									Δ							
FTX-28 E1 (TH, DT Target Only Fligh	nt Test)																
FTX-28 E2 (TH, DT Target Only Fligh	nt Test)											Δ					
FTX-28 E3 (TH, DT Target Only Fligh	nt Test)											Δ					
FTT-24 (TH, DT Intercept Flight Test)														Δ			

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Missile Defense Agency			Date: March 2019
	,	Project (N MT07 / TH	umber/Name) AAD Test

Schedule Details

	St	art	End		
Events	Quarter	Year	Quarter	Year	
FTX-35 (TH, Target Only Flight Test)	3	2018	3	2018	
GT-19 Sprint 2 (JEON) (BMDS Ground Test)	3	2019	3	2019	
FTT-23 (TH, DT Intercept Flight Test)	4	2019	4	2019	
GTI-07c (N/P) (BMDS Ground Test)	1	2020	1	2020	
FTX-39 (LTPO, DT Target Only Flight Test)	1	2020	1	2020	
FTP-27 E1 (LTPO, DT/OT Flight Test)	2	2020	2	2020	
GT-20 Sprint (JEON) (BMDS Ground Test)	2	2020	2	2020	
FTP-27 E2 (LTPO, DT/OT Flight Test)	2	2020	2	2020	
FTO-03 (OTA, OT Intercept Flight Test)	4	2020	4	2020	
GTI-08 (N/P) (BMDS Ground Test)	4	2020	1	2021	
TH CTV-01 (LTPO, DT Interceptor Only Flight Test)	1	2021	1	2021	
FTT-21 (TH, DT Intercept Flight Test)	2	2021	2	2021	
FTP-28 (LTPO, OT Intercept Flight Test)	3	2021	3	2021	
FTX-28 E1 (TH, DT Target Only Flight Test)	3	2022	3	2022	
FTX-28 E2 (TH, DT Target Only Flight Test)	3	2022	3	2022	
FTX-28 E3 (TH, DT Target Only Flight Test)	3	2022	3	2022	
FTT-24 (TH, DT Intercept Flight Test)	3	2023	3	2023	

Note

FY 2020 USFK JEON tests are funded in PE 0603914C BMD Test.

Exhibit R-2A, RDT&E Project Ju	xhibit R-2A, RDT&E Project Justification: PB 2020 Missile Defense Agency												
Appropriation/Budget Activity 0400 / 4						, , , , ,					umber/Name) ogram Wide Support		
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost	
MD40: Program Wide Support	7.460	2.875	3.125	0.720	-	0.720	1.113	1.871	2.645	0.744	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	_	-	-			

Note

Program Wide Support (PWS) is allocated on a pro-rata basis across multiple Agency PE's each fiscal year based on the total Agency budget, and therefore fluctuates per PE by fiscal year.

A. Mission Description and Budget Item Justification

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

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 personnel to support global deployments performing deployment site preparation and activation, and provides facility capabilities for MDA Executing Agent locations. Other MDA wide costs include: 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 across most Agency PEs and therefore fluctuates per PE by fiscal year based on the total Agency budget in that fiscal year.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2018	FY 2019	FY 2020	
Title: Program Wide Support	2.875	3.125	0.720	
Articles:	-	-	-	
Description: 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 personnel to support global deployments performing deployment site preparation and activation, and provides facility capabilities for MDA Executing Agent locations. Other MDA wide costs include: 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 across most Agency PEs and therefore fluctuates per PE by fiscal year based on the total Agency budget in that fiscal year. FY 2019 Plans:				
				1

PE 0604876C: *Ballistic Missile Defense Terminal Defen...* Missile Defense Agency

EV 2040 EV 2040 EV 2020

2.875

3.125

0.720

Exhibit R-2A, RDT&E Project Justification: PB 2020 Mis	xhibit R-2A, RDT&E Project Justification: PB 2020 Missile Defense Agency							
Appropriation/Budget Activity 0400 / 4	Number/I Program V	Name) Vide Support						
B. Accomplishments/Planned Programs (\$ in Millions, - SEE ABOVE.	Article Quantities in Each)	F	Y 2018	FY 2019	FY 2020			
FY 2020 Plans: - SEE ABOVE.								
FY 2019 to FY 2020 Increase/Decrease Statement: Decrease from FY 2019 to FY 2020 reflects the PWS allocated and the statement of the PWS allocated and the statement of the PWS allocated and the PWS	ation on a pro-rata basis across multiple Agency PE's each fiscal	year						

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

based on the total Agency budget, and therefore fluctuates per PE by fiscal year.

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

PE 0604876C: Ballistic Missile Defense Terminal Defen... Missile Defense Agency

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Accomplishments/Planned Programs Subtotals

Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Missile Defense Agency

Appropriation/Budget Activity

0400 / 4

R-1 Program Element (Number/Name)
PE 0604876C / Ballistic Missile Defense

Terminal Defense Segment Test

Project (Number/Name)

Date: March 2019

MD40 I Program Wide Support

Support (\$ in Millions	s)			FY 2	2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	FY 2020 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 Management	Allot	Various : Multi: AL, VA, Aust, Japan	0.024	0.000		0.047	Jul 2019	0.011	Jul 2020	-		0.011	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Civilian Salaries, Travel, Training	Allot	Various : VA	4.174	0.000		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support International and Materiel and Readiness	MIPR	Various : Multi: AL, VA, Aust, Japan	0.000	0.000		0.000		0.360	Jul 2020	-		0.360	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services	C/CPFF	Various : Multi: AL, VA	3.262	2.301	Aug 2018	3.078	Apr 2019	0.349	Jun 2020	-		0.349	Continuing	Continuing	Continuing
Program Wide Support - FFRDC/UARC	C/CPAF	Various : Multi: AL, VA	0.000	0.574		0.000		0.000		-		0.000	Continuing	Continuing	Continuing
	-	Subtotal	7.460	2.875		3.125		0.720		-		0.720	Continuing	Continuing	N/A

Remarks

N/A

												Target
	Prior Years	FY 2018	FY 2	2019	FY 2 Ba	2020 ise		2020 CO	FY 2020 Total	Cost To Complete	Total Cost	Value of Contract
Project Cost Totals	7.460	2.875	3.125		0.720		-		0.720	Continuing	Continuing	N/A

Remarks

Award Date reflects date of first obligation. Additional obligations may incrementally occur throughout the year.

PE 0604876C: *Ballistic Missile Defense Terminal Defen...* Missile Defense Agency

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Exhibit R-4, RDT&E Schedu	le Profile: PB 2020 Missile Defer	se Agency					Date: March 2019		
Appropriation/Budget Activi 0400 / 4	400 / 4				ber/Name) le Defense est	Project (Number/Name) MD40 / Program Wide Support			
Significant Event Complete ▲ Significant Event Planned △	Milestone Decision Complete ★ Milestone Decision Planned ☆	Element Test Compl Element Test Planne	d 💠	System I	evel Test Complete evel Test Planned	0	Complete Activity ◆ Planned Activity ◆		
MD40 Program-Wide Support			FY 2018	FY 2019 →		FY 2021	FY 2022 FY 2023	FY 2024 ♦ ♦ ♦ <	

Exhibit R-4A, RDT&E Schedule Details: PB 2020 Missile Defense Agency			Date: March 2019
1	,	, ,	umber/Name) ogram Wide Support

Schedule Details

	St	art	End		
Events	Quarter	Year	Quarter	Year	
MD40 Program-Wide Support	1	2018	4	2024	