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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: Research, Development, Test & Evaluation, Defense-Wide / BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test
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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	107.043	20.980	63.444	36.239	-	36.239	68.865	15.667	49.706	51.451	Continuing	Continuing
MT07: THAAD Test	107.043	16.344	60.577	33.321	-	33.321	65.555	14.939	47.306	48.989	Continuing	Continuing
MD40: Program Wide Support	-	4.636	2.867	2.918	-	2.918	3.310	0.728	2.400	2.462	Continuing	Continuing

Program MDAP/MAIS Code: 362

Note

N/A

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 flight test operations, performs post-flight test reporting, and performs data distribution and storage.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	26.225	63.444	69.959	-	69.959
Current President's Budget	20.980	63.444	36.239	-	36.239
Total Adjustments	-5.245	0.000	-33.720	-	-33.720
• 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	-5.245	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustment	0.000	0.000	-33.720	-	-33.720

Change Summary Explanation

The decrease in FY2018 from PB17 to PB18 is a result of strategic test re-planning initiative for the Integrated Master Test Plan (IMTP).

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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 0604876C / Ballistic Missile Defense Terminal Defense Segment Test				Project (Number/Name) MT07 / THAAD Test			
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
MT07: THAAD Test	107.043	16.344	60.577	33.321	-	33.321	65.555	14.939	47.306	48.989	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
Note N/A												
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, and wargames and exercises requirements.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2016	FY 2017	FY 2018	
Title: Flight Test Execution 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. FY 2016 Accomplishments: - Completed FTO-02 E2a post-test reporting and data distribution. - Continued planning for FTT-18, a THAAD flight test against an Intermediate Range Ballistic Missile (IRBM). FTT-18 was planned for execution in 1Q FY 2016. However, due to range and resource availability, the mission was not executed. FTT-18 has now been rescheduled as a campaigned event with FTT-15 in 3Q FY 2017 at Kodiak Launch Complex in Alaska. - Initiated pre-mission planning for Flight Test THAAD-15 (FTT-15), to include long lead activities like range safety and weapon system performance analysis. FY 2016 funds are requested because long lead planning activities are required to begin approximately 12 months prior to a flight test event and FTT-15 is scheduled for 3Q FY 2017. FY 2017 Plans: - The increase in flight test cost from FY 2016 to FY 2017 is due to the scheduled execution of one THAAD flight test in FY 2017, compared with no flight tests initially planned for FY 2016. In FY 2017 THAAD plans to execute Flight Test THAAD-15 (FTT-15). - Conduct flight test planning, range interface, coordination with Operational Test Agencies (OTAs) and execution of flight test operations for Flight Test THAAD-15 (FTT-15) to demonstrate THAAD's ability to intercept an Medium Range Ballistic Missile (MRBM) target using the THAAD radar, launcher, fire control and communications, Interceptor closed-loop operations, and									5.591	52.020	24.816	
									-	-	-	

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Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test	Project (Number/Name) MT07 / THAAD Test		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2016	FY 2017	FY 2018
engagement functions. MDA is currently assessing various test range locations for opportunities to reduce test costs. Additionally, FTT-15 will be the first developmental test of THAAD against a complex target scene. The results will inform additional THAAD development against associated objects. - Initiate pre-mission planning for Flight Test Operational-03 Event 2 (FTO-03 E2), to include long lead activities such as range safety and weapon system performance analysis. FY 2017 funds are requested because long lead planning activities are required to begin approximately 12 months prior to the FTO-03 E2 flight test event scheduled for fourth quarter FY 2018. FY 2018 Plans: - Conduct description efforts to support the following test events in accordance with the IMTP: - Conduct Flight Test Tracking Event-35 (FTX-35) at White Sands Missile Range, which will prove THAAD software build 3.0 and test X86 AN/TPY-2 radar configuration with a THAAD Battery. - Conduct Flight Test Tracking Event-36, which will demonstrate interoperability and develop a coordinated firing solution between THAAD and PATRIOT. - Pre-mission Flight Test Operational-03 Event 2 (FTO-03 E2) (BMDS Operational Flight Test), which will further demonstrate, in an operational scenario, THAAD's ability to conduct coordinated engagements with Aegis and PATRIOT operating with (C2BMC) and forward-based AN/TPY-2while engaging an Intermediate Range Ballistic Missile. - Flight Test THAAD-15/18 (FTT-15/18) post-test reporting and data distribution.				
Title: Ground Test Execution 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, - Provides pre-mission planning, pre- and post-mission analyses, reporting, and execution to support BMDS Ground and Flight Test campaigns, and - Continues performance assessments to evaluate system performance and interoperability within the integrated BMDS. FY 2016 Accomplishments: - Continued THAAD participation in MDA Ground Test operational scenario events GT-06 and GT-07 as described above. FY 2017 Plans: - Continue THAAD participation in MDA Ground Test operational scenario event GT-07 as described above. FY 2018 Plans: - Continue THAAD participation in MDA Ground Test operational scenario events GT-07 and GTI-ISR campaigns as described above.		5.953 -	5.192 -	5.076 -

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Appropriation/Budget Activity 0400 / 4		R-1 Program Element (Number/Name) PE 0604876C / Ballistic Missile Defense Terminal Defense Segment Test	Project (Number/Name) MT07 / THAAD Test		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2016	FY 2017	FY 2018
- Initiate THAAD participation in ground test system pre-mission analyses for FTO-03 E2.					
<div>Title: Resources</div> <div>Articles:</div> <div>Description: Resources include efforts to: - Provide on-site range support for THAAD maintenance, repair, and pre-mission analysis to ensure THAAD test asset readiness, - Provide data management, facilities operations, and post-test reporting in support of BMDS tests to ensure data collection and readiness for mission execution, and - Continue Performance Assessments to evaluate system performance and interoperability within the integrated BMDS</div> <div>FY 2016 Accomplishments: - Supported cyber security initiatives for the BMDS Missile Defense Agency Windows 10 implementation. - See description.</div> <div>FY 2017 Plans: - See description.</div> <div>FY 2018 Plans: - See description.</div>			4.459 -	2.920 -	2.974 -
<div>Title: Wargames and Exercises</div> <div>Articles:</div> <div>Description: Wargames and Exercises support the Combatant Commands (CCMDs) with model and simulations and subject matter expertise during exercise events. Continue to assist in developing/refining Tactics, Techniques, and Procedures and Pre-Planned Responses to incorporate in future events. Demonstrate THAAD capability to the warfighter community in the Integrated and Missile Defense (IAMD) environment</div> <div>FY 2016 Accomplishments: - See description.</div> <div>FY 2017 Plans: - See description.</div> <div>FY 2018 Plans: - See description.</div>			0.341 -	0.445 -	0.455 -
Accomplishments/Planned Programs Subtotals			16.344	60.577	33.321

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Appropriation/Budget Activity 0400 / 4				R-1 Program Element (Number/Name) PE 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</i>				Project (Number/Name) MT07 / <i>THAAD Test</i>				
C. Other Program Funding Summary (\$ in Millions)												
			FY 2018	FY 2018	FY 2018						Cost To	
Line Item	FY 2016	FY 2017	Base	OCO	Total	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost	
• 0208866C: MD07: <i>THAAD O&M</i>	58.308	72.099	78.761	-	78.761	87.478	92.082	91.832	93.716	Continuing	Continuing	
• 0208866C: MD07: <i>THAAD Procurement</i>	447.971	369.608	451.592	-	451.592	440.883	405.015	420.829	429.463	978.463	3,943.824	
• 0603881C: <i>Ballistic Missile Defense Terminal Defense Segment</i>	197.617	209.072	230.162	-	230.162	194.328	253.778	264.377	267.254	Continuing	Continuing	
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 2.0 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												

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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 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</i>				Project (Number/Name) MT07 / <i>THAAD Test</i>					
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
Flight Test Execution - Execution, Support and Planning	MIPR	MDA / AMRDEC / KLC / Wake Island / RTS : AL / CO / AK / HI / Wake Island / Kwaj	58.806	5.491	Oct 2015	31.759	Oct 2016	15.099	Nov 2017	-		15.099	Continuing	Continuing	Continuing
Flight Test Execution - Planning, Analysis, and Execution	SS/IDIQ	Lockheed Martin : Sunnyvale, CA / Huntsville, AL	33.480	0.100	Oct 2015	20.261	Oct 2016	9.717	Nov 2017	-		9.717	Continuing	Continuing	Continuing
Ground Test Execution - BMDS Ground Test Support	MIPR	US Army AMRDEC : Huntsville, AL	4.917	5.953	Dec 2015	5.192	Oct 2016	5.076	Dec 2017	-		5.076	Continuing	Continuing	Continuing
Resources - Cyber Security - Simulation Center	MIPR	Space and Missile Systems Center (SMDC) : AL	0.000	0.100	Jun 2016	0.000		0.000		-		0.000	0	0.100	0
Resources - Cyber Security - Advanced Research Center Cyber Support	C/IDIQ	COLSA Corp : AL	0.000	0.552	Jun 2016	0.000		0.000		-		0.000	0	0.552	0
Resources - Cyber Security - NSITE/GT Comms/Test Control System	MIPR	Aviation & Missile Research & Development : AL	0.000	0.913	Jun 2016	0.000		0.000		-		0.000	0	0.913	0
Resources - Cyber Security - TCS/ULAN/CLAN Pacific Colector	C/IDIQ	Northrop Grumman Space & Mission System : CO	0.000	0.559	Jun 2016	0.000		0.000		-		0.000	0	0.559	0
Resources - Cyber Win10 Implementation - TTS	C/IDIQ	Analytical Services, Inc. : AL	0.000	0.231	May 2016	0.000		0.000		-		0.000	0	0.231	0
Resources - Cyber Win10 Implementation - XTR/PCRSS/ELTS/Flight Test Comms	MIPR	NSWC : Pt Mugu / NAWC WD / WSMR	0.000	0.776	Jun 2016	0.000		0.000		-		0.000	0	0.776	0
Resources - MDA Test IT Program Support	C/CPAF	Northrup Grumman : AL, AK, CA, CO, HI, NM, VA	2.830	0.000		0.000		0.000		-		0.000	0	2.830	0

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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 0604876C / Ballistic Missile Defense Terminal Defense Segment Test				Project (Number/Name) MT07 / THAAD Test					
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
Resources - Test and Range Infrastructure	MIPR	US Army AMRDEC / White Sands Missile Range / Lincoln Labs : Huntsville, AL / White Sands, NM / MA	6.633	1.328	Dec 2015	2.920	Oct 2016	2.974	Dec 2017	-		2.974	Continuing	Continuing	Continuing
Wargames and Exercises - Wargames and Exercises	MIPR	MDA / Space and Missile Defense Command : Huntsville, AL	0.377	0.341	Oct 2015	0.445	Oct 2016	0.455	Nov 2017	-		0.455	Continuing	Continuing	Continuing
Subtotal			107.043	16.344		60.577		33.321		-		33.321	-	-	-
Remarks															
- Increases in R-3 Cost Category Items related to Flight Test Execution from FY 2016 to FY 2017 are due to no flight test being executed in FY 2016. In FY 2017 THAAD plans to execute Flight Test THAAD-15 (FTT-15) and initiate test planning activities for Flight Test Operational-03 Event 2 (FTO-03 E2).															
			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			107.043	16.344		60.577		33.321		-		33.321	-	-	-
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 0604876C / Ballistic Missile Defense Terminal Defense Segment Test					Project (Number/Name) MT07 / THAAD Test																	
Significant Event Complete ▲ Significant Event Planned △		Milestone Decision Complete ★ Milestone Decision Planned ☆		Element Test Complete ◆ Element Test Planned ◇		System Level Test Complete ● System Level Test Planned ○				Complete Activity ◆ Planned Activity ◇				FY 2016		FY 2017		FY 2018		FY 2019		FY 2020		FY 2021		FY 2022	
GTI-06 Part 2 (BMDS Ground Test)							◆																				
GTI-ISR (16) (BMDS Ground Test)							◆																				
GTD-06 Part 2 (BMDS Ground Test)								◆																			
FTT-18 (TH, Intercept Flight Test)											△																
FTT-15 (TH, Intercept Flight Test)											△																
GTI-07a (BMDS Ground Test)											◇	◇															
GTD-07a (BMDS Ground Test)												◇															
FTX-35 (TH, Target Only Flight Test)												△															
FTX-36 (TH, Patriot Target Only Flight Test)												△															
GTI-07b (E/C) (BMDS Ground Test)												◇	◇														
GTD-07b (E/C) (BMDS Ground Test)													◇	◇													
GTI-07b (N/P) (BMDS Ground Test)													◇														
GTI-ISR (18) (BMDS Ground Test)													△														
FT0-03 E2 (OTA, Intercept Flight Test)														△													
GTD-07b (N/P) (BMDS Ground Test)														◇	◇												
GTI-08 (E/C) (BMDS Ground Test)															◇	◇											
GTI-08 (N/P)(BMDS Ground Test)																◇	◇										
FTT-19 (TH, Intercept Flight Test)																	△										
GTD-08 (E/C) (BMDS Ground Test)																	◇	◇									
GTD-08 (N/P) (BMDS Ground Test)																			◇								
GT-21 Sprint 1 (BMDS Ground Test)																						◇					
GT-21 Sprint 2 (BMDS Ground Test)																							◇				
GT-21 Sprint 3 (BMDS Ground Test)																								◇	◇		
GT-21 Sprint 4 (BMDS Ground Test)																									◇		

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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 0604876C / Ballistic Missile Defense Terminal Defense Segment Test										Project (Number/Name) MT07 / THAAD Test									
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							
GTI-ISR (21) (BMDS Ground Test)																◇								
FTT-21 (TH, Intercept Flight Test)																△								
GT-21 Sprint 5 (BMDS Ground Test)																◇								
GT-21 Sprint 6 (BMDS Ground Test)																◇								
GT-22 Sprint 1 (BMDS Ground Test)																	◇							
GT-22 Sprint 2 (BMDS Ground Test)																	◇							
GT-22 Sprint 3 (BMDS Ground Test)																	◇							
FTX-28 E1 (TH, Target Only Flight Test)																		△						
FTX-28 E2 (TH, Target Only Flight Test)																		△						
FTX-28 E3 (TH, Target Only Flight Test)																		△						
GT-22 Sprint 4 (BMDS Ground Test)																		◇						
GTD-22 (E/C) (BMDS Ground 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 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</i>	Project (Number/Name) MT07 / <i>THAAD Test</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
GTI-06 Part 2 (BMDS Ground Test)	3	2016	3	2016
GTI-ISR (16) (BMDS Ground Test)	3	2016	3	2016
GTD-06 Part 2 (BMDS Ground Test)	4	2016	4	2016
FTT-18 (TH, Intercept Flight Test)	3	2017	3	2017
FTT-15 (TH, Intercept Flight Test)	3	2017	3	2017
GTI-07a (BMDS Ground Test)	3	2017	4	2017
GTD-07a (BMDS Ground Test)	4	2017	4	2017
FTX-35 (TH, Target Only Flight Test)	2	2018	2	2018
FTX-36 (TH, Patriot Target Only Flight Test)	2	2018	2	2018
GTI-07b (E/C) (BMDS Ground Test)	2	2018	3	2018
GTD-07b (E/C) (BMDS Ground Test)	4	2018	1	2019
GTI-07b (N/P) (BMDS Ground Test)	1	2019	1	2019
GTI-ISR (18) (BMDS Ground Test)	1	2019	1	2019
FTO-03 E2 (OTA, Intercept Flight Test)	2	2019	2	2019
GTD-07b (N/P) (BMDS Ground Test)	3	2019	4	2019
GTI-08 (E/C) (BMDS Ground Test)	4	2019	1	2020
GTI-08 (N/P)(BMDS Ground Test)	2	2020	3	2020
FTT-19 (TH, Intercept Flight Test)	3	2020	3	2020
GTD-08 (E/C) (BMDS Ground Test)	3	2020	4	2020
GTD-08 (N/P) (BMDS Ground Test)	1	2021	1	2021
GT-21 Sprint 1 (BMDS Ground Test)	1	2021	1	2021
GT-21 Sprint 2 (BMDS Ground Test)	2	2021	2	2021

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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 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</i>		Project (Number/Name) MT07 / <i>THAAD Test</i>	
		Start		End	
Events	Quarter	Year	Quarter	Year	
GT-21 Sprint 3 (BMDS Ground Test)	2	2021	3	2021	
GT-21 Sprint 4 (BMDS Ground Test)	3	2021	3	2021	
GTI-ISR (21) (BMDS Ground Test)	3	2021	3	2021	
FTT-21 (TH, Intercept Flight Test)	4	2021	4	2021	
GT-21 Sprint 5 (BMDS Ground Test)	4	2021	4	2021	
GT-21 Sprint 6 (BMDS Ground Test)	4	2021	4	2021	
GT-22 Sprint 1 (BMDS Ground Test)	1	2022	1	2022	
GT-22 Sprint 2 (BMDS Ground Test)	2	2022	2	2022	
GT-22 Sprint 3 (BMDS Ground Test)	2	2022	2	2022	
FTX-28 E1 (TH, Target Only Flight Test)	3	2022	3	2022	
FTX-28 E2 (TH, Target Only Flight Test)	3	2022	3	2022	
FTX-28 E3 (TH, Target Only Flight Test)	3	2022	3	2022	
GT-22 Sprint 4 (BMDS Ground Test)	3	2022	3	2022	
GTD-22 (E/C) (BMDS Ground Test)	4	2022	4	2022	

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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
MD40: Program Wide Support	-	4.636	2.867	2.918	-	2.918	3.310	0.728	2.400	2.462	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Beginning in FY 2016, Program Wide Support (PWS) was proportionately allocated to the Ballistic Missile Defense Terminal Defense Segment Test. In FY 2017 and FY 2018, PWS reflects a proportional change as a result an increase in Ballistic Missile Defense Terminal Defense Segment Test.

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	4.636	2.867	2.918
Articles:	-	-	-
Description: N/A			
FY 2016 Accomplishments: N/A			
FY 2017 Plans: N/A			
FY 2018 Plans: N/A			
Accomplishments/Planned Programs Subtotals	4.636	2.867	2.918

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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 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</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 0604876C / Ballistic Missile Defense Terminal Defense Segment Test				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 Operations Management	Allot	Various : Multi: AL, VA, Aust, Japan	0.000	0.000		0.057	Jul 2017	0.058	Jul 2018	-		0.058	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Civilian Salaries, Travel, Training	Allot	Various : VA	0.000	4.174		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		0.000		-		0.000	Continuing	Continuing	Continuing
Program Wide Support - Agency Operations and Support Services	C/CPFF	Various : Multi: AL, VA	0.000	0.462		2.810	Aug 2017	2.860	Aug 2018	-		2.860	Continuing	Continuing	Continuing
Subtotal			0.000	4.636		2.867		2.918		-		2.918	-	-	-
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			0.000	4.636		2.867		2.918		-		2.918	-	-	-
Remarks N/A															

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Missile Defense Agency															Date: May 2017																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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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 0604876C / <i>Ballistic Missile Defense Terminal Defense Segment Test</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