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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force **Date:** February 2015

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)</i>	R-1 Program Element (Number/Name) PE 0701212F / <i>Automated Test Systems</i>
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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	-	-	-	14.563	-	14.563	14.545	-	-	-	Continuing	Continuing
6506TE: <i>Test And Evaluation Support Budget Authority</i>	-	-	-	14.563	-	14.563	14.545	-	-	-	Continuing	Continuing

Note

In FY 2016, PE 0701212F, Project 6506TE, Test and Evaluation Support Budget Authority, includes new start efforts for Automated Bomber Test Systems.

A. Mission Description and Budget Item Justification

The Bomber Armament Tester will ensure that our USAF bomber fleet can conduct nuclear deterrence, global power projection and global strike operations to support the President of the United States and Combatant Commanders by having a reliable, cyber secure, and sustainable tester. The tasks are to develop a common bomber armament tester and the Test Program Sets (Software, Hardware, and Documentation) to test the armament release equipment on the bombers.

RDT&E efforts support development, testing, and producibility of the Bomber Armament Tester and Test Program Sets. The program will utilize an incremental development approach with B-2 as Increment 1, B-1 as Increment 2, and B-52 as Increment 3. This RDT&E funding is for Increment 1. Future budget submittals will be for Increment 2 & 3.

B. Program Change Summary (\$ in Millions)

	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	14.563	-	14.563
Total Adjustments	-	-	14.563	-	14.563
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	14.563	-	14.563

Change Summary Explanation

In FY 2016, Project Number 6506TE, Test & Evaluation Support Budget Authority, is a New Start.

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600 / 5					R-1 Program Element (Number/Name) PE 0701212F / Automated Test Systems				Project (Number/Name) 6506TE / Test And Evaluation Support Budget Authority			
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
6506TE: Test And Evaluation Support Budget Authority	-	-	-	14.563	-	14.563	14.545	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2016, Project 6506TE, Test and Evaluation Support Budget Authority, includes a new start effort for Automated Bomber Test Systems.

A. Mission Description and Budget Item Justification

The Bomber Armament Tester will ensure that our USAF bomber fleet can conduct nuclear deterrence, global power projection and global strike operations to support the President of the United States and Combatant Commanders by having a reliable, cyber secure, and sustainable tester. The tasks are to develop a common bomber armament tester and the Test Program Sets (Software, Hardware, and Documentation) to test the armament release equipment on the bombers.

RDT&E efforts support development, testing, and producibility of the Bomber Armament Tester and Test Program Sets. The program will utilize an incremental development approach with B-2 as Increment 1, B-1 as Increment 2, and B-52 as Increment 3. This RDT&E funding is for Increment 1. Future budget submittals will be for Increment 2 & 3.

This program is in Budget Activity 5 System Development and Demonstration (SDD) because it has passed Milestone B approval and is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Bomber Armament Tester	-	-	14.563	-	14.563
Description: New Common Bomber Armament Tester for B-1, B-2, and B-52.					
FY 2014 Accomplishments: N/A					
FY 2015 Plans: N/A					
FY 2016 Base Plans: - Develop Bomber Armament Tester and Test Program Sets for use with B-2					

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0701212F / <i>Automated Test Systems</i>	Project (Number/Name) 6506TE / <i>Test And Evaluation Support Budget Authority</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
- Conduct initial test with B-2. FY 2016 OCO Plans: N/A					
Accomplishments/Planned Programs Subtotals	-	-	14.563	-	14.563

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

Remarks

D. Acquisition Strategy
Acquisition Strategy pending Air Force Program Executive Officer Agile Combat Support Approval.

E. Performance Metrics
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force **Date:** February 2015

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0701212F / Automated Test Systems	Project (Number/Name) 6506TE / Test And Evaluation Support Budget Authority
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Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development	TBD	Not specified. ; ,	-	-		-		11.458	Jan 2016	-		11.458	Continuing	Continuing	-
Subtotal			-	-		-		11.458		-		11.458	-	-	-

Remarks
Product Development Cost include the development of the Bomber Armament Test Sets (Units under test Software, hardware and Technical Data), Technical Data and maintenance of Government Furnished Equipment.

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Logistic Support	TBD	Not specified. ; ,	-	-		-		1.580	Jan 2016	-		1.580	Continuing	Continuing	-
Subtotal			-	-		-		1.580		-		1.580	-	-	-

Remarks
Support Cost include Independent verification and validation support, Nuclear Certification Support and Cyber Security authority support.

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Development and Operation Testing support	TBD	Not specified. ; ,	-	-		-		1.250	Jan 2016	-		1.250	Continuing	Continuing	-
Subtotal			-	-		-		1.250		-		1.250	-	-	-

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PMA	TBD	Not specified. ; ,	-	-		-		0.275	Jan 2016	-		0.275	Continuing	Continuing	-
Subtotal			-	-		-		0.275		-		0.275	-	-	-

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Air Force **Date:** February 2015

Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0701212F / <i>Automated Test Systems</i>	Project (Number/Name) 6506TE / <i>Test And Evaluation Support Budget Authority</i>
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Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			

Remarks
PMA costs include travel to support the development of the Bomber Armament Tester. PMA cost also include a Information Assurance expert to advise and support the team. This will ensure the system meets all cyber security and Information assurance requirements.

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	-	-	14.563	-	14.563	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0701212F / <i>Automated Test Systems</i>	Project (Number/Name) 6506TE / <i>Test And Evaluation Support Budget Authority</i>

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Full schedule detail awaiting Air Force Program Executive Officer Agile Combat Support approval																												
Initial Nuclear Certification Impact Statement																												
System Functional Review																												
Initial Nuclear Certification Impact Statement																												
Preliminary Design Review																												
Initiate Platform IT document																												
Critical Design Review																												
System Verification Review																												
Developmental Testing																												
Operational Testing																												
Final Nuclear Certification Impact Statement																												
Completed Prototype																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 5	R-1 Program Element (Number/Name) PE 0701212F / <i>Automated Test Systems</i>	Project (Number/Name) 6506TE / <i>Test And Evaluation Support Budget Authority</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Full schedule detail awaiting Air Force Program Executive Officer Agile Combat Support approval	2	2015	2	2015
Initial Nuclear Certification Impact Statement	1	2016	1	2016
System Functional Review	3	2016	3	2016
Initial Nuclear Certification Impact Statement	1	2016	1	2016
Preliminary Design Review	4	2016	4	2016
Initiate Platform IT document	1	2017	1	2017
Critical Design Review	1	2017	1	2017
System Verification Review	4	2017	4	2017
Developmental Testing	3	2016	1	2017
Operational Testing	2	2018	4	2018
Final Nuclear Certification Impact Statement	4	2018	4	2018
Completed Prototype	4	2018	4	2018