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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 5: System Development & Demonstration (SDD)					R-1 Program Element (Number/Name) PE 0604932F I Long Range Standoff Weapon							
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	1.836	5.000	3.438	36.643	-	36.643	133.740	420.173	650.446	543.049	Continuing	Continuing
657011: LONG RANGE STAND-OFF	1.836	5.000	3.438	36.643	-	36.643	133.740	420.173	650.446	543.049	Continuing	Continuing
Quantity of RDT&E Articles		-	-	-	-	-	-	-	-	-		
Program MDAP/MAIS Code: 489												
A. Mission Description and Budget Item Justification												
The Long Range Stand Off (LRSO) effort will develop a weapon system to replace the Air Force's Air Launched Cruise Missile (ALCM), operational since 1986. The LRSO weapon system will be capable of penetrating and surviving advanced Integrated Air Defense Systems (IADS) from significant stand-off range to prosecute strategic targets in support of the Air Force's global attack capability and strategic deterrence core function.												
This program is in Budget Activity 5, System Development and Demonstration (SDD), because it is conducting engineering and manufacturing development tasks aimed at meeting validated requirements prior to full-rate production.												
B. Program Change Summary (\$ in Millions)				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total				
Previous President's Budget				5.000	4.938	9.886	-	9.886				
Current President's Budget				5.000	3.438	36.643	-	36.643				
Total Adjustments				-	-1.500	26.757	-	26.757				
• Congressional General Reductions				-	-							
• Congressional Directed Reductions				-	-1.500							
• Congressional Rescissions				-	-							
• Congressional Adds				-	-							
• Congressional Directed Transfers				-	-							
• Reprogrammings				-	-							
• SBIR/STTR Transfer				-	-							
• Other Adjustments				-	-	26.757	-	26.757				
Change Summary Explanation												
FY15: Congressional Directed Reduction, -\$1.5M for execution adjustment												
FY16: Program accelerated 2 years, \$26.757M												

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
Title: Materiel Solution Analysis (MSA) Description: Conduct Long Range Stand Off pre-Milestone A activities. FY 2014 Accomplishments: Continued LRSO Milestone A (MS A) preparations. Activities included: Pre-TMRR (Technology Maturation and Risk Reduction) activities with industry (concept refinement and technology analyses), modeling and simulation support, engineering studies, program cost and schedule estimation, acquisition strategy refinement, risk reduction efforts, initial requirements definition, develop MS A exit/TMRR entrance documentation. FY 2015 Plans: Continue LRSO MS A preparation. Activities include: Pre-TMRR activities with industry (concept/component refinement and technology analyses), modeling and simulation support, engineering studies, program cost and schedule estimation, program security plan development and implementation, acquisition strategy refinement, risk reduction efforts, initial requirements definition, developing MS A exit/TMMR entrance documentation. Continue to support the Department of Defense (DoD)/ Department of Energy(DOE) Interagency warhead life extension program 6.X process. FY 2016 Plans: LRSO MS A and TMRR preparation/support. Activities include: Pre-TMRR efforts with industry (concept/component refinement and technology analyses), modeling and simulation support, engineering studies, test support, program cost and schedule estimation, program security plan implementation (to include secure connectivity and communication between Department of Defense (DoD), Department of Energy(DOE) and industry), acquisition strategy refinement, risk reduction efforts, continued requirements definition/refinement, completing MS A documentation, preparation for RFP release and source selection activities. Establish and implement practices that ensure the following are met: requirements flow down, requirement allocation to hardware and software, requirements compliance matrix, system performance, reliability, maintainability, product assurance, testability, producibility and supportability. Perform planning activities necessary to integrate LRSO with aircraft. Develop and refine LRSO Interface Control Documents (ICD) to include missile to warhead ICD. Continue to support the DoD/DOE Interagency warhead life extension program 6.X process.		5.000	3.438	6.000
Title: Technology Maturation and Risk Reduction (TMRR) Description: Conduct technology maturation and risk reduction. FY 2016 Plans: Award contracts for tech development effort to develop, mature, and support the design, integration, verification, validation, test, manufacturing processes, and logistic support plans. Establishes and implements practices that ensure the following are met: requirements flow down, requirement allocation to hardware and software, requirements compliance matrix, system performance,		-	-	18.643

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
reliability, maintainability, product assurance, testability, producibility and supportability.				
Title: Aircraft Integration Description: Accomplishes LRSO aircraft integration. FY 2016 Plans: Perform planning activities necessary to integrate LRSO with aircraft using MIL STD 1760D based aircraft/store interface. Ensures the logical, electrical, and physical interfaces of the LRSO as defined in the ICD.		-	-	6.000
Title: Test Support Description: Test activities and support for LRSO design validation and verification and nuclear certification. FY 2016 Plans: Perform test activities and support for LRSO design validation and verification and nuclear certification.		-	-	6.000
Accomplishments/Planned Programs Subtotals		5.000	3.438	36.643
D. Other Program Funding Summary (\$ in Millions) N/A Remarks E. Acquisition Strategy LRSO acquisition/contract strategy continues to be refined to support a MS A decision. F. 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 0604932F / Long Range Standoff Weapon						Project (Number/Name) 657011 / LONG RANGE STAND-OFF			
Product Development (\$ in Millions)				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 Complete	Total Cost	Target Value of Contract
Technology Maturation and Risk Reduction Contract	TBD	TBD : ,	0.000	-		-		18.643	Aug 2016	-		18.643	Continuing	Continuing	-
Subtotal			0.000	-		-		18.643		-		18.643	-	-	-
Support (\$ in Millions)				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 Complete	Total Cost	Target Value of Contract
Material Solution Analysis Support	Various	Various : ,	1.321	2.400	Jan 2014	0.500	Jan 2015	6.000	Nov 2015	-		6.000	Continuing	Continuing	-
Aircraft Integration	Various	Various : ,	0.000	-		-		4.000	Jan 2016	-		4.000	Continuing	Continuing	-
Subtotal			1.321	2.400		0.500		10.000		-		10.000	-	-	-
Test and Evaluation (\$ in Millions)				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 Complete	Total Cost	Target Value of Contract
Test Support	Various	Various : ,	0.000	-		-		3.000	Jun 2016	-		3.000	Continuing	Continuing	-
Subtotal			0.000	-		-		3.000		-		3.000	-	-	-
Management Services (\$ in Millions)				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 Complete	Total Cost	Target Value of Contract
Program Management Administration	Various	Various : ,	0.515	2.600	Oct 2013	2.938	Oct 2014	5.000	Oct 2015	-		5.000	Continuing	Continuing	-
Subtotal			0.515	2.600		2.938		5.000		-		5.000	-	-	-

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	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	1.836	5.000		3.438		36.643		-		36.643	-	-	-
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 0604932F / Long Range Standoff Weapon	Project (Number/Name) 657011 / LONG RANGE STAND-OFF	

	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
Materiel Solution Analysis Phase																												
Milestone A Decision																												
Technology Maturation and Risk Reduction Phase																												
Technology Maturation and Risk Reduction Contract Award																												

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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 0604932F / <i>Long Range Standoff Weapon</i>	Project (Number/Name) 657011 / <i>LONG RANGE STAND-OFF</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Solution Analysis Phase	1	2014	3	2016
Milestone A Decision	1	2016	1	2016
Technology Maturation and Risk Reduction Phase	1	2016	4	2020
Technology Maturation and Risk Reduction Contract Award	4	2016	4	2016