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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604932F: <i>LONG RANGE STANDOFF WEAPON</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	-	-	2.004	-	2.004	5.000	41.698	209.082	352.932	Continuing	Continuing
657011: <i>LONG RANGE STAND-OFF</i>	-	-	2.004	-	2.004	5.000	41.698	209.082	352.932	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

Note

In FY11, LRSO efforts were funded in PE 0101122F, Air Launched Cruise Missile, project number 674797.

In FY12, LRSO efforts were transferred from PE 0101122F, Air Launched Cruise Missile, project number 674797, to PE 0101125, Nuclear Weapon Modernization, project number 657008, in order to support LRSO development.

In FY13, LRSO efforts were transferred from PE 0101125F, Nuclear Weapons Modernization, project number 657008, to PE 0604932F, Longe Range Standoff Weapon, project number 657011, in order to support LRSO development.

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. LRSO FY2013 funding supports completion of the Analysis of Alternatives (AoA) to compare the operational effectiveness, cost, and risks of proposed materiel solutions as well as Milestone A preparation activities.

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.

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B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	2.004	-	2.004
Total Adjustments	-	-	2.004	-	2.004
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	2.004	-	2.004

Change Summary Explanation

In FY13, LRSO efforts were transferred from PE 0101125F, Nuclear Weapon Modernization, project number 657008, to PE 0604932F, Long Range Standoff Weapon, project number 657011, in order to support LRSO development.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
<p>Title: Materiel Solution Analysis (MSA) & AoA</p> <p>Description: Conduct LRSO MSA/AoA activities.</p> <p>FY 2011 Accomplishments: Effort resided in PE 0101122F, project number 674797, in FY11. Support Materiel Development Decision (MDD). Initiate MSA phase activities.</p> <p>FY 2012 Plans: Effort resided in PE 0101125F, project number 657008, in FY12. Accomplish LRSO AoA. Activities include: concept refinement, technology analyses, modeling and simulation support, engineering studies, program cost and schedule estimation, acquisition strategy development, risk reduction efforts, initial requirements definition, Milestone A preparation to include development of MSA exit/Technology Development (TD) entrance documentation.</p> <p>FY 2013 Base Plans: Complete LRSO AoA. Activities include: concept refinement, technology analyses, modeling and simulation support, engineering studies, program cost and schedule estimation, acquisition strategy refinement, risk</p>	-	-	2.004	-	2.004

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
reduction efforts, initial requirements definition, Milestone A preparation to include development of MSA exit/ Tech Development entrance documentation.					
<i>FY 2013 OCO Plans:</i> N/A					
Accomplishments/Planned Programs Subtotals	-	-	2.004	-	2.004

D. Other Program Funding Summary (\$ in Millions)												
<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>	
• PE 0101122F, RDT&E: <i>Air Launched Cruise Missile</i>	3.197	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
• PE 0101125F, RDT&E: <i>Nuclear Weapon Modernization</i>	0.000	9.926	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

E. Acquisition Strategy
Development of the LRSO acquisition/contract strategy continues to evolve pending the completion of the AoA and the evaluation of alternative weapon system concepts. These efforts will inform the development of the initial acquisition strategy in preparation for a Milestone A Defense Acquisition Board (DAB) in FY2014.

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-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force **DATE:** February 2012

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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone A Decision	1	2014	1	2014
Technology Development Phase	1	2015	1	2017
Contract Award	1	2015	1	2017