

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	0.000	91.269	80.200	67.874	-	67.874	200.634	215.976	210.200	155.121	Continuing	Continuing
657007: B61 LIFE EXTENSION PROGRAM	0.000	81.617	80.200	67.874	-	67.874	200.634	215.976	210.200	155.121	79.094	1,090.716
657008: LONG RANGE STAND-OFF	0.000	9.652	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
MDAP/MAIS Code(s): 468												
[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
^{##} The FY 2014 OCO Request will be submitted at a later date												
Note												
In FY12, B61 Life Extension Program (LEP) efforts were transferred from PE 0604222F, Nuclear Weapons Support, to PE 0101125F, Nuclear Weapon Modernization, in order to support B61 LEP development.												
In FY12, LRSO efforts were transferred from PE 0101122F, Air Launched Cruise Missile, to PE 0101125F, Nuclear Weapon Modernization, in order to support LRSO development.												
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.												
A. Mission Description and Budget Item Justification												
The purpose of this program element is to conduct and support United States Air Force (USAF) and Joint Department of Defense (DoD)- Department of Energy (DOE) acquisition activities for the modernization of nuclear weapons.												
B61 Life Extension Program (LEP): The B61 LEP will extend the service life of the weapon. Provides programmatic integration of the Air Force-led, joint DoD-DOE program through the B61 LEP Project Officers Group (POG) and its subgroups. In accordance with Air Force Materiel Command mission assignment memo (dated 17 Feb 2011) and National Nuclear Security Administration (NNSA)-Air Force Nuclear Weapons Center (AFNWC) Memorandum of Understanding (MOU dated 28 June 2012), the USAF is responsible for development, acquisition & delivery of a guided tailkit assembly (TKA) and All Up Round (AUR) technical integration, system qualification & fielding of the B61-12 variant.												

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force	DATE: April 2013
--	-------------------------

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>
---	---

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)	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	93.867	80.200	110.223	-	110.223
Current President's Budget	91.269	80.200	67.874	-	67.874
Total Adjustments	-2.598	0.000	-42.349	-	-42.349
• Congressional General Reductions	-	0.000			
• Congressional Directed Reductions	-	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	-	0.000			
• Congressional Directed Transfers	-	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-2.598	0.000			
• Other Adjustments	0.000	0.000	-42.349	-	-42.349

Change Summary Explanation

FY14: -\$42.349M Adjustment to remain synchronized with the DOE schedule (two-year First Production Unit delay directed by Nuclear Weapons Council).

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force									DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization				PROJECT 657007: B61 LIFE EXTENSION PROGRAM			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
657007: B61 LIFE EXTENSION PROGRAM	0.000	81.617	80.200	67.874	-	67.874	200.634	215.976	210.200	155.121	79.094	1,090.716
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
In FY12, B61 Life Extension Program (LEP) efforts were transferred from PE 0604222F, Nuclear Weapons Support, to PE 0101125F, Nuclear Weapon Modernization.												
A. Mission Description and Budget Item Justification												
B61 Life Extension Program (LEP): The B61 LEP will extend the service life of the weapon. Provides programmatic integration of the Air Force-led, joint DoD-DOE program through the B61 LEP Project Officers Group (POG) and its subgroups. In accordance with Air Force Materiel Command mission assignment memo (dated 17 Feb 2011) and National Nuclear Security Administration (NNSA)-Air Force Nuclear Weapons Center (AFNWC) Memorandum of Understanding (MOU dated 28 June 2012), the USAF is responsible for development, acquisition & delivery of a guided tailkit assembly (TKA) and All Up Round (AUR) technical integration, system qualification & fielding of the B61-12 variant.												
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. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Engineering & Manufacturing Development Contract									71.212	43.283	18.113	
Description: Prime contract to develop, test, integrate and nuclear certify a guided TKA in support of the B61-12 LEP.												
FY 2012 Accomplishments: Provided B61-12 TKA development, design, test, integration, qualification and nuclear certification activities in support of the B61-12 LEP. Supported design, integration and testing of the B61-12 system and verification of requirements and validation of TKA performance. Established and implemented B61-12 TKA 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.												
FY 2013 Plans: Provides B61-12 TKA development, design, test, integration, qualification and nuclear certification activities in support of the B61-12 LEP. Supports design, integration and testing of the B61-12 system and verification of requirements and validation of												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>	PROJECT 657007: <i>B61 LIFE EXTENSION PROGRAM</i>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013
TKA performance. Establishes and implements B61-12 TKA 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. FY 2014 Plans: Continues B61-12 TKA development, design, test, integration, qualification and nuclear certification activities in support of the B61-12 LEP. Continues design, integration and testing of the B61-12 system and verification of requirements and validation of TKA performance. Continues B61-12 TKA 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.			
Title: AUR Technical Integration Description: Covers all system engineering tasks in support of AUR technical integration, qualification & fielding, including program support to the B61 LEP POG. FY 2012 Accomplishments: Development of B61-12 system qualification plan, warhead component qualification, TKA qualifications, and B61-12 AUR integration activities. Provided support to maintain technical and programmatic schedules and program documents that support the AUR technical integration. Developed warhead-to-TKA interface requirements and design. Provided technical expertise to maintain B61-12 aircraft compatibility with all 5 delivery platforms through completion of a test and evaluation program. Developed Compatibility Test Unit (CTUs) to support early integration efforts at the aircraft system integration laboratories. Included B61-12 AUR technical and programmatic reviews, including design reviews, systems reviews, technical interchanges meetings, and test reviews. Also included test assessments to validate models & simulation results in support of system qualification; configuration management of B61-12 AUR drawings, interface control documents, and system specifications; and development of trainers and other USAF configurations. FY 2013 Plans: Development of B61-12 system qualification plan, warhead component qualification, TKA qualifications, and B61-12 AUR integration activities. Provides support to maintain technical and programmatic schedules and program documents that support the AUR technical integration. Develops warhead-to-TKA interface requirements and design. Provides technical expertise to maintain B61-12 aircraft compatibility with all 5 delivery platforms through completion of a test and evaluation program. Develops CTUs to support early integration efforts at the aircraft system integration laboratories. Includes B61-12 AUR technical and programmatic reviews, including design reviews, systems reviews, technical interchanges meetings, and test reviews. Also includes test assessments to validate models & simulation results in support of system qualification; configuration management		2.255	11.463
			12.981

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization	PROJECT 657007: B61 LIFE EXTENSION PROGRAM		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
of B61-12 AUR drawings, interface control documents, and system specifications; and development of trainers and other USAF configurations.				
FY 2014 Plans: Continues B61-12 system qualification plan, warhead component qualification, TKA qualifications, and B61-12 AUR integration activities. Continues support to maintain technical and programmatic schedules and program documents that support the AUR technical integration. Continues to develop warhead-to-TKA interface requirements and design. Continues to provide technical expertise to maintain B61-12 aircraft compatibility with all 5 delivery platforms through completion of a test and evaluation program. Continues to develop CTUs to support early integration efforts at the aircraft system integration laboratories. Includes B61-12 AUR technical and programmatic reviews, including design reviews, systems reviews, technical interchanges meetings, and test reviews. Also includes test assessments to validate models & simulation results in support of system qualification; configuration management of B61-12 AUR drawings, interface control documents, and system specifications; and development of trainers and other USAF configurations.				
Title: Aircraft Integration		1.111	12.532	12.122
Description: B61-12 integration with threshold aircraft, including mission planning system upgrades to accommodate the new weapon variant and weapon design compatibility with objective aircraft.				
FY 2012 Accomplishments: Acquisition planning, meeting participation and fit checks for threshold aircraft. Also provided F-15E Suite 8 test tape development and demonstration/validation of the Programmable Armament Control System (PACs) Operational Flight Program (OFP). Also provided fit check and design compatibility with objective aircraft. Included development of Mission Planning upgrades to Air Vehicle System (APS), Joint Mission Planning System (JMPS), and Combat Weapon Delivery Software (CWDS).				
FY 2013 Plans: Acquisition planning, meeting participation and fit checks for threshold aircraft. Also provides F-15E Suite 8 test tape development and demonstration/validation of the PACs OFP. Also provides fit check and design compatibility with objective aircraft. Includes development of Mission Planning upgrades to APS, JMPS, and CWDS.				
FY 2014 Plans: Continues meeting participation and fit checks for threshold aircraft. Continues F-15E Suite 8 test tape development and demonstration/validation of the OFP. Continues design compatibility with objective aircraft. Continues Mission Planning upgrades.				
Title: Test Support		0.100	6.552	18.468
Description: Test activities & support for TKA design validation & verification and nuclear certification, as well as B61-12 AUR system qualification (includes design & operational certification activities).				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force		DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization	PROJECT 657007: B61 LIFE EXTENSION PROGRAM		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
FY 2012 Accomplishments: Test activities & support for TKA design validation & verification and nuclear certification, as well as B61-12 AUR system qualification (includes design & operational certification activities). FY 2013 Plans: Test planning and execution activities to support B61-12 weapon development, AUR technical integration and aircraft integration. Provides ground test activities to verify warhead to tailkit integration to include wind tunnel testing. Provides aircraft and support equipment fit check activities. Provides flight testing to verify aircraft flight environments in support of weapon development. Also provides for the development and delivery of necessary bomb assemblies (BAs) to accomplish TKA test and trainer activities. FY 2014 Plans: Continues test planning and execution activities to support B61-12 weapon development, AUR technical integration and aircraft integration. Continues ground test activities to verify warhead to tailkit integration to include wind tunnel testing. Provides aircraft and support equipment fit check activities. Continues flight testing to verify aircraft flight environments in support of weapon development. Also, provides flight testing for tailkit and AUR design verification. Continues development and delivery of necessary bomb assemblies (BAs) to accomplish TKA test and trainer activities.				
Title: Program Office Support Description: System engineering & business management support to distributed program office (AFNWC & AFLCMC Armament Directorate (AFLCMC/EB)) and other PMA. FY 2012 Accomplishments: System engineering & business management support to distributed program office (AFNWC & AFLCMC Armament Directorate (AFLCMC/EB)) and other PMA. FY 2013 Plans: System engineering & business management support to distributed program office (AFNWC & AFLCMC Armament Directorate (AFLCMC/EB)) and other PMA. FY 2014 Plans: System engineering & business management support to distributed program office (AFNWC & AFLCMC Armament Directorate (AFLCMC/EB)) and other PMA.		6.939	6.370	6.190
Accomplishments/Planned Programs Subtotals		81.617	80.200	67.874

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization			PROJECT 657007: B61 LIFE EXTENSION PROGRAM			
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• RDT&E: BA 05: 0604222F: Funding prior to FY12 was contained in PE0604222F. Prior Year funding was \$31.328M.	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Remarks Funding prior to FY12 was contained in PE0604222F. Prior Year funding was \$31.328M.											
D. Acquisition Strategy Full and open competition as approved by the MDA.											
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.											

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)						R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization						PROJECT 657007: B61 LIFE EXTENSION PROGRAM			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
B61 LEP EMD Contract	C/CPIF	Boeing:,	0.000	71.212	Nov 2012	43.283	Jun 2013	18.113	Nov 2013	-		18.113	350.147	482.755	TBD
Subtotal			0.000	71.212		43.283		18.113		0.000		18.113	350.147	482.755	
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
AUR Technical Integration	MIPR	Various:,	0.000	2.255	Apr 2012	11.463	Apr 2013	12.981	Apr 2014	-		12.981	57.522	84.221	
Aircraft Integration	MIPR	Various:,	0.000	1.111	Jun 2012	12.532	Mar 2013	12.122	Oct 2014	-		12.122	226.529	252.294	
Subtotal			0.000	3.366		23.995		25.103		0.000		25.103	284.051	336.515	
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All 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 for B61 LEP Development	MIPR	RTO:,	0.000	0.100	Oct 2012	6.552	Jun 2013	18.468	Jun 2014	-		18.468	210.675	235.795	
Subtotal			0.000	0.100		6.552		18.468		0.000		18.468	210.675	235.795	
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
PMA	Various	Not specified.:	0.000	6.939	Oct 2011	6.370	Oct 2012	6.190	Oct 2013	-		6.190	16.152	35.651	TBD
Subtotal			0.000	6.939		6.370		6.190		0.000		6.190	16.152	35.651	
			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			0.000	81.617		80.200		67.874		0.000		67.874	861.025	1,090.716	

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force							DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)			R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization			PROJECT 657007: B61 LIFE EXTENSION PROGRAM				
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	
Remarks										

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>	PROJECT 657007: <i>B61 LIFE EXTENSION PROGRAM</i>	

B61-12 Tailkit Assembly (TKA) Schedule

	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	
B61-12 TKA								
	◆	◆	Eng & Manuf Dev Phase 1		◆	Eng & Manuf Dev Phase 2		◆
	MDD	MS B/ Contract Award			CDR			MSC

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>	PROJECT 657007: <i>B61 LIFE EXTENSION PROGRAM</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone B Decision	1	2013	1	2013
Engineering & Manufacturing Development Contract	1	2013	4	2018
Milestone C Decision	3	2018	3	2018

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 5: System Development & Demonstration (SDD)					R-1 ITEM NOMENCLATURE PE 0101125F: Nuclear Weapons Modernization				PROJECT 657008: LONG RANGE STAND-OFF			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
657008: LONG RANGE STAND-OFF	0.000	9.652	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0		0	0	0	0	0		
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
In FY2012 LRSO efforts were transferred from PE 0101122F, Air Launched Cruise Missile, project number 674797, to PE 0101125F, Nuclear Weapon Modernization, project number 657008 in order to support LRSO development.												
In FY2013 LRSO efforts were transferred from PE 0101125F, Nuclear Weapon Modernization, project number 657008, to PE 0604932F, Long Range Stand Off, 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.												
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. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014	
Title: Materiel Solution Analysis (MSA) & AoA									9.652	0.000	0.000	
Description: Conduct LRSO MSA/AoA activities.												
FY 2012 Accomplishments: Conducted LRSO AoA analysis. Activities included: 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.												
FY 2013 Plans:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2014 Air Force										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>				PROJECT 657008: <i>LONG RANGE STAND-OFF</i>				
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2012	FY 2013	FY 2014
Effort moved to PE 64932F - Long Range Standoff Weapon												
Accomplishments/Planned Programs Subtotals										9.652	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost	
• RDT&E: BA05: PE 0604932F: <i>Long Range Standoff Weapon</i>	0.000	2.004	5.000		5.000	40.500	203.600	349.300	440.300	Continuing	Continuing	
Remarks												
D. 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.												
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.												

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force												DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>						R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>						PROJECT 657008: <i>LONG RANGE STAND-OFF</i>			
Product Development (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Support (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Materiel Solution Analysis Phase Activities	Various	Various:Various,	0.000	9.652	Dec 2011	0.000		0.000		-		0.000	Continuing	Continuing	TBD
Subtotal			0.000	9.652		0.000		0.000		0.000		0.000			
Remarks In FY11, LRSO efforts were funded in PE 0101122F, Air Launched Cruise Missile, project number 674797. In FY13, LRSO efforts were transferred from PE 0101125F, Nuclear Weapon Modernization, project number 657008, to PE 0604932F, Long Range Stand Off, project number 657011.															
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Management Services (\$ in Millions)				FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000	0.000
Project Cost Totals			0.000	9.652		0.000		0.000		0.000		0.000			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Air Force							DATE: April 2013			
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE			PROJECT				
3600: Research, Development, Test & Evaluation, Air Force			PE 0101125F: Nuclear Weapons			657008: LONG RANGE STAND-OFF				
BA 5: System Development & Demonstration (SDD)			Modernization							
	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract	

Remarks

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Air Force

DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY

3600: *Research, Development, Test & Evaluation, Air Force*
BA 5: *System Development & Demonstration (SDD)*

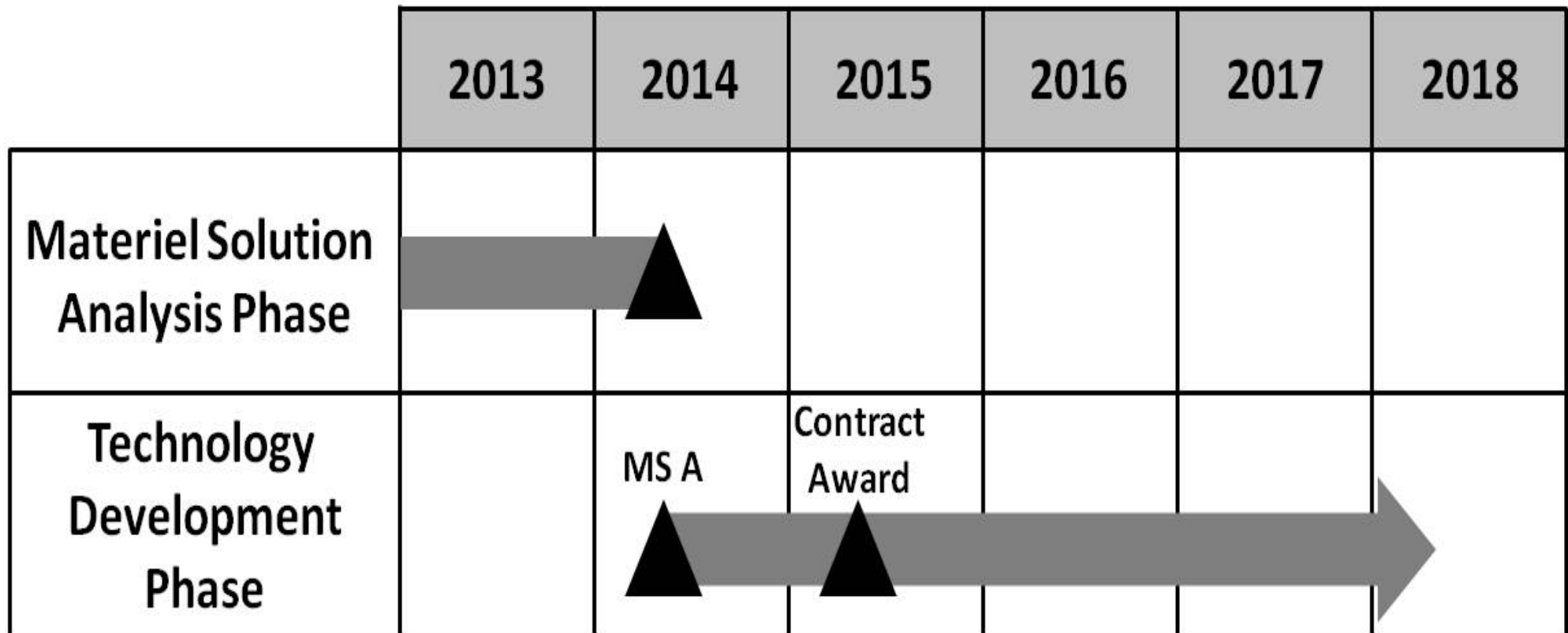
R-1 ITEM NOMENCLATURE

PE 0101125F: *Nuclear Weapons Modernization*

PROJECT

657008: *LONG RANGE STAND-OFF*

Long Range Stand-Off



UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Air Force			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 5: <i>System Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0101125F: <i>Nuclear Weapons Modernization</i>	PROJECT 657008: <i>LONG RANGE STAND-OFF</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Materiel Solution Analysis Phase	1	2012	2	2014
Milestone A Decision	2	2014	2	2014
Technology Development Phase	2	2014	4	2018
Contract Award	2	2015	2	2015