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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2013 Army	<b>DATE:</b> February 2012
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604814A: <i>Artillery Munitions - EMD</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	25.467	37.592	4.346	-	4.346	2.327	-	-	-	Continuing	Continuing
708: <i>XM982 PROJECTILE</i>	25.467	37.592	4.346	-	4.346	2.327	-	-	-	Continuing	Continuing

**Note**

FY 2012: Funds reduced by \$5.0 million by the Appropriation Conference for program growth adjustment.

**A. Mission Description and Budget Item Justification**

Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and significantly reduces collateral damage in most urban environments. The Excalibur is interoperable with the M777A2 Lightweight 155mm howitzer (LW155), the M109A6 (Paladin) howitzer, and Sweden's Archer howitzer. Excalibur will provide a 33% range increase over current Rocket Assisted Projectiles, with a 10 meter accuracy (Circular Error Probable) at all ranges. Excalibur is an international program, teamed with the Kingdom of Sweden (KoS), who contributes resources towards the development and have procured rounds in accordance with an established Project Agreement for use in their Archer howitzer.

The Excalibur program is using an incremental development approach to provide a combat capability to the Soldier as quickly as possible, and to deliver advanced capabilities at lower costs as technology matures. Increment Ia-1 has been fielded to units in Iraq and Afghanistan in response to urgent need requests in support of Operation Iraqi Freedom (as of September 2010 re-named to Operation New Dawn) and Operation Enduring Freedom. Production deliveries continue to support the Warfighters. Increment Ia-2 was fielded in early FY 2012 and greatly increases range (from 25.2km to 37.5km) to LW155 and Paladin howitzers. Increment Ib will provide further performance improvements while significantly lowering unit costs.

The Army reviewed the Excalibur program in 2010 during the Precision Fires Capability Portfolio review, a process to holistically examine, validate or modify requirements across the precision fires portfolio. At the conclusion of this review, the Army decided to significantly reduce the Excalibur program's procurement objective quantity, resulting in a Nunn-McCurdy breach for both the Average Procurement Unit Cost and Program Acquisition Unit Cost. The restructured program was certified by the Defense Acquisition Executive (DAE) on January 10, 2011. The DAE's Acquisition Decision Memorandum directed the program to fund the program to the Director, Cost Assessment and Program Evaluation (D,CAPE) approved acquisition cost estimate and funding profile. The profile procured directed procurement of 1,000 Increment Ia-2 Excalibur projectiles in fiscal year 2011 (a combined procurement with FY10 and FY11 funding) and Increment Ib projectiles in FY12-14 with the following quantity profile: 881; 2,001; and 573. The Army's FY12 President's Budget (PB) request was consistent with D,CAPE approved estimate, however a Congressional decrement has resulted in some modifications to the specific quantity profile, as indicted in the FY13 request.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army				DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
2040: Research, Development, Test & Evaluation, Army		PE 0604814A: Artillery Munitions - EMD			
BA 5: Development & Demonstration (SDD)					
B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	26.371	42.627	4.299	-	4.299
Current President's Budget	25.467	37.592	4.346	-	4.346
Total Adjustments	-0.904	-5.035	0.047	-	0.047
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.721	-			
• Adjustments to Budget Years	-	-5.035	0.047	-	0.047
• Other Adjustments 1	-0.183	-	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604814A: Artillery Munitions - EMD				PROJECT 708: XM982 PROJECTILE			
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
708: XM982 PROJECTILE	25.467	37.592	4.346	-	4.346	2.327	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and significantly reduces collateral damage in most urban environments. The Excalibur is interoperable with the M777A2 Lightweight 155mm howitzer (LW155), the M109A6 (Paladin) howitzer, and Sweden's Archer howitzer. Excalibur will provide a 33% range increase over current Rocket Assisted Projectiles, with a 10 meter accuracy (Circular Error Probable) at all ranges. Excalibur is an international program, teamed with the Kingdom of Sweden (KoS), who contributes resources towards the development and have procured rounds in accordance with an established Project Agreement for use in their Archer howitzer.											
The Excalibur program is using an incremental development approach to provide a combat capability to the Soldier as quickly as possible, and to deliver advanced capabilities at lower costs as technology matures. Increment Ia-1 has been fielded to units in Iraq and Afghanistan in response to urgent need requests in support of Operation Iraqi Freedom (as of September 2010 re-named to Operation New Dawn) and Operation Enduring Freedom. Production deliveries continue to support the Warfighters. Increment Ia-2 was fielded in early FY 2012 and greatly increases range (from 25.2km to 37.5km) to LW155 and Paladin howitzers. Increment Ib will provide further performance improvements while significantly lowering unit costs.											
The Army reviewed the Excalibur program in 2010 during the Precision Fires Capability Portfolio review, a process to holistically examine, validate or modify requirements across the precision fires portfolio. At the conclusion of this review, the Army decided to significantly reduce the Excalibur program's procurement objective quantity, resulting in a Nunn-McCurdy breach for both the Average Procurement Unit Cost and Program Acquisition Unit Cost. The restructured program was certified by the Defense Acquisition Executive (DAE) on January 10, 2011. The DAE's Acquisition Decision Memorandum directed the program to fund the program to the Director, Cost Assessment and Program Evaluation (D,CAPE) approved acquisition cost estimate and funding profile. The profile procured directed procurement of 1,000 Increment Ia-2 Excalibur projectiles in fiscal year 2011 (a combined procurement with FY10 and FY11 funding) and Increment Ib projectiles in FY12-14 with the following quantity profile: 881; 2,001; and 573. The Army's FY12 President's Budget (PB) request was consistent with D,CAPE approved estimate, however a Congressional decrement has resulted in some modifications to the specific quantity profile, as indicted in the FY13 request.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: Advanced Field Artillery Tactical Data Systems (AFATDS)							0.150	1.165	-	-	-
Articles:							0	0			
Description: Engineering support for Excalibur integration into Advanced Field Artillery Tactical Data Systems (AFATDS), and digital howitzer integration.											

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army			DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604814A: Artillery Munitions - EMD	PROJECT 708: XM982 PROJECTILE				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
FY 2011 Accomplishments: Advanced Field Artillery Tactical Data Systems (AFATDS)						
FY 2012 Plans: Advanced Field Artillery Tactical Data Systems (AFATDS)						
Title: Increment Ib development effort.  Articles:  Description: Increment Ib development effort.  FY 2011 Accomplishments: Continuation of Increment Ib development effort to include detailed design, reliability growth, design refinement, perform Critical Design Review (CDR), and procuring test hardware for the developmental testing of Increment Ib.  FY 2012 Plans: Continuation of Increment Ib development effort, complete detailed design, design refinement, procure test hardware for developmental testing and to complete qualification testing to support transition into production of Increment Ib.  FY 2013 Base Plans: Completion of Increment Ib development that includes government support to transition into production.		22.486 0	27.555 0	3.300	-	3.300
Title: Support and conduct developmental and qualification testing for Increment Ib.  Articles:  Description: Support and conduct developmental and qualification testing for Increment Ib.  FY 2011 Accomplishments: Support and conduct developmental and qualification testing for Increment Ib.  FY 2012 Plans: Support and conduct developmental and qualification testing for Increment Ib.		2.831 0	3.965 0	-	-	-
Title: Integrated Developmental Testing/Operational Testing (DT/OT), Safety/Reliability testing, and operational assessment for Increment Ib.  Articles:		-	4.907 0	1.046	-	1.046

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2013 Army						<b>DATE:</b> February 2012					
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604814A: <i>Artillery Munitions - EMD</i>			<b>PROJECT</b> 708: <i>XM982 PROJECTILE</i>				

  

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>
<b>Description:</b> Conduct Integrated Developmental Testing/Operational Testing (DT/OT) , Safety/Reliability testing, and operational assessment to support Low Rate Initial Production (LRIP) for Increment Ib.  <b>FY 2012 Plans:</b> Conduct Integrated Developmental Testing/Operational Testing (DT/OT), initial safety and reliability testing for supporting Increment Ib, and to complete developmental testing.  <b>FY 2013 Base Plans:</b> To conduct operational testing, safety and reliability testing, and operational assessment to support continued LRIP for Increment Ib.					
<b>Accomplishments/Planned Programs Subtotals</b>	25.467	37.592	4.346	-	4.346

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2011</b>	<b>FY 2012</b>	<b>FY 2013 Base</b>	<b>FY 2013 OCO</b>	<b>FY 2013 Total</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• Procurement Ammo:	30.527	58.074	110.329	12.300	122.629					0.000	279.126
<i>Procurement Ammunition Army:</i> <i>Proj 155mm Extended Range:</i> <i>XM982-U Excalibur: E80103</i>											

  

<b>D. Acquisition Strategy</b>
<p>Excalibur is a family of Precision Guided Extended Range Munitions. In 1997, a competitive Engineering and Manufacturing Development (EMD) contract was awarded for the initial increment, with options for Low Rate Initial Production (LRIP) quantities. In coordination with the Army Acquisition Executive, the Army implemented an incremental development approach that provided for an early fielding capability in FY 2007 in response to an Urgent Needs Statement in support of Operation Iraqi Freedom (as of September 2010 re-named to Operation New Dawn) and Operation Enduring Freedom. Increment Ib was solicited as a full and open competition and awarded to two contractors in September 2008. Following the Increment Ib strategy, the Army conducted a demonstration phase followed by a shoot off between the two completing contractors and down selected to a single contractor for qualification and production. The shoot off was completed in July 2010 followed by the downselect decision on 25 August 2010 to support Phase II development and qualification.</p>

  

<b>E. Performance Metrics</b>
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army										DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				PE 0604814A: Artillery Munitions - EMD				708: XM982 PROJECTILE					
Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Misc Support Contracts	Various	Various:Various	3.645	-		-		-		-	0.000	3.645	3.645
Platform Integration/Fire Control - AFATDS	SS/CPIF	Raytheon AFATDS:Fort Wayne, IN	5.317	0.280		-		-		-	Continuing	Continuing	Continuing
Govt Support for Paladin, LW155 Integration SW Development	MIPR	ARDEC, Software Engineering:Picatinny, NJ	6.775	0.885		-		-		-	0.000	7.660	6.775
Increment 1b Development Phase 2	C/CPIF	Raytheon Missile System:Tucson, AZ	40.339	21.524		-		-		-	Continuing	Continuing	Continuing
Increment 1b Development Phase 1	C/FFP	Alliant Techsystems:Pymouth, MN	30.773	-		-		-		-	0.000	30.773	30.773
Increment 1b Development Phase 1	C/FFP	Raytheon Missile System:Tucson, AZ	30.413	-		-		-		-	0.000	30.413	30.413
Platform Integration & EPIAFS Software Development	MIPR	Navy, Surface Warfare Center:MD	0.230	-		-		-		-	0.000	0.230	0.230
Follow on Precision Artillery risk reduction	C/CPFF	ARDEC:Picatinny, NJ	5.049	-		-		-		-	0.000	5.049	5.049
Platform Integration-Systems Contractor	MIPR	ARES:Annapolis, MD	0.840	-		-		-		-	0.000	0.840	0.840
TCM Merger Assessment	SS/FP	Bofors Defence, Karlskoga:Sweden	14.430	-		-		-		-	0.000	14.430	14.430
Fee on Excalibur Development Contract	C/CPIF	Raytheon Missile System:Tucson, AZ	35.377	-		-		-		-	0.000	35.377	35.377
Platform Integration LW155 M777A2	C/CPIF	BAE:Burlington, VT	11.989	-		-		-		-	0.000	11.989	11.989
ARDEC fuze technology maturation (DOTC)	SS/FP	ARDEC:Picatinny, NJ	3.872	-		-		-		-	0.000	3.872	3.872
SS-SFM Test Projectiles	C/FFP	Various:Varoius	10.815	-		-		-		-	0.000	10.815	10.815
Advanced Cargo Projectile Technology	MIPR	DMEA, McClellan:CA	2.390	-		-		-		-	0.000	2.390	2.390

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Product Development (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Platform Integration Firing Tables Development	MIPR	ARDEC, Firing Tables Branch Picatinny, NJ and:Aberdeen, MD	2.124	-		-		-		-	0.000	2.124	2.124
Excalibur Increment Ia Development	C/CPIF	Raytheon Missile System:Tucson, AZ	428.187	-		-		-		-	0.000	428.187	428.187
Subtotal			632.565	22.689		-		-		-			
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	PO	PM Excalibur:Picatinny, NJ	27.082	0.751		0.300		-		0.300	Continuing	Continuing	Continuing
Government Support-Excalibur XM982	MIPR	ARDEC:Picatinny, NJ	61.249	5.000		3.000		-		3.000	Continuing	Continuing	Continuing
Goverment Support- Ft Sill	MIPR	Ft. Sill:OK	3.534	0.020		-		-		-	Continuing	Continuing	Continuing
Milestone Support	C/FP	Camber:Alexandria, VA	1.701	0.010		-		-		-	Continuing	Continuing	Continuing
Miscellaneous Support	Various	Various:Various	4.061	0.250		-		-		-	Continuing	Continuing	Continuing
Engineering Services Contract for Increment 1a-2	SS/CPFF	Raytheon Missile Systems:Tucson, AZ	0.085	-		-		-		-	0.000	0.085	0.085
Paladin Platform Integration	MIPR	PM Paladin:Picatinny, NJ	0.930	-		-		-		-	0.000	0.930	0.930
Government Support - SS-SFM	MIPR	ARDEC:Picatinny, NJ	1.625	-		-		-		-	0.000	1.625	1.625
Technical Spt Contract for Platform Integration	C/FP	Camber:Dallas, TX	0.821	-		-		-		-	0.000	0.821	0.821
Fire Control development support	MIPR	Fort Monmouth, NJ and:Fort Sill, OK	1.008	-		-		-		-	0.000	1.008	1.008
Platform Integration Software Support	MIPR	Navy Surface Warfare Center:MD	0.390	-		-		-		-	0.000	0.390	0.390
Government TCM Support	MIPR	ARDEC:Picatinny, NJ	0.910	-		-		-		-	0.000	0.910	0.910

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604814A: Artillery Munitions - EMD				PROJECT 708: XM982 PROJECTILE						
Support (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Government Support-Advanced Cargo Projectile Technology	MIPR	ARDEC:Picatinny, NJ	0.353	-		-		-		-	0.000	0.353	0.353	
Government Support Platform Integration	MIPR	ARDEC:Picatinny, NJ	6.241	-		-		-		-	0.000	6.241	6.241	
PM CAS SS-SFM	PO	PM CAS:Picatinny, NJ	0.700	-		-		-		-	0.000	0.700	0.700	
Increment Ia Engineering Services	MIPR	DMEA:McClellan, CA	5.078	-		-		-		-	0.000	5.078	5.078	
Increment Ia Engineering Services	C/CPFF	DRS:Eatontown, NJ	12.850	-		-		-		-	0.000	12.850	12.850	
Modeling and Structural Development	MIPR	Army Research Labs:Adelphi, MD	9.034	-		-		-		-	0.000	9.034	9.034	
Government Engineering Support for Precision Artillery Risk Reduction	MIPR	ARDEC:Picatinny, NJ	2.750	-		-		-		-	0.000	2.750	2.750	
Subtotal			140.402	6.031		3.300		-		3.300				
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
TECOM Test Range	MIPR	Yuma Proving Grounds:Yuma, AZ	21.093	4.180		0.650		-		0.650	Continuing	Continuing	Continuing	
Test Instrumentation and Analysis	MIPR	Army Research Labs:Adelphi, MD	3.683	0.100		-		-		-	Continuing	Continuing	Continuing	
Telemetry Support	SS/FFP	Physical Science Laboratories (PSL):Las Cruces, NM	2.946	0.200		-		-		-	Continuing	Continuing	Continuing	
Telemetry Support	MIPR	ARDEC:Picatinny, NJ	17.711	0.100		-		-		-	Continuing	Continuing	Continuing	
Telemetry Cryptographic Support & Anti-Jam Support	MIPR	Ft. Huachuca:AZ	0.743	0.150		-		-		-	Continuing	Continuing	Continuing	



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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				PE 0604814A: Artillery Munitions - EMD				708: XM982 PROJECTILE					
Test and Evaluation (\$ in Millions)				FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Target Replacement, Definition, Maintenance and Repair and Threat Assessment	MIPR	Target Management Office:Huntsville, AL	1.486	-		-		-		-	Continuing	Continuing	Continuing
Operational Test Support & AEC	MIPR	ATEC:Alexandria, VA	9.113	0.200		0.100		-		0.100	Continuing	Continuing	Continuing
ARDEC Testing	MIPR	ARDEC:Picatinny, NJ	2.608	0.200		-		-		-	Continuing	Continuing	Continuing
TECOM Test Range	MIPR	White Sands Missile Range:NM	12.432	3.142		0.246		-		0.246	Continuing	Continuing	Continuing
Operational Test Support	MIPR	Ft. Sill:OK	3.244	0.100		0.050		-		0.050	Continuing	Continuing	Continuing
Test Gun Equipment	MIPR	Watervliet Arsenal:NY	3.972	-		-		-		-	0.000	3.972	3.972
Test Hardware	SS/CPFF	SAVIT:Parsippany, NJ	0.450	-		-		-		-	0.000	0.450	0.450
Live Fire Test and Evaluation	MIPR	ARL:Aberdeen, MD	0.697	0.500		-		-		-	Continuing	Continuing	Continuing
Tri-Service Software Assessment	MIPR	OSD:Washington, DC	0.061	-		-		-		-	0.000	0.061	0.061
SS-SFM Testing	MIPR	Yuma Proving Grounds:Yuma, AZ	2.300	-		-		-		-	0.000	2.300	2.300
Subtotal			82.539	8.872		1.046		-		1.046			
			Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			855.506	37.592		4.346		-		4.346			
Remarks													

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2013 Army			<b>DATE:</b> February 2012		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0604814A: <i>Artillery Munitions - EMD</i>		<b>PROJECT</b> 708: <i>XM982 PROJECTILE</i>	

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	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
Increment Ia-2 Prod. Deliveries																												
Increment Ia-2 IOC																												
Increment Ib Milestone C																												
Increment Ib Production Award																												
Increment Ib Production Deliveries																												
Increment Ib First Article Testing																												
Execution of DT/OT Supporting MS-C																												
Final Safety/Reliability Tests Supporting Material Release																												
Preparation & Execution of Increment Ib IOT&E																												
Increment Ib IOC																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2013 Army			<b>DATE:</b> February 2012
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 5: <i>Development &amp; Demonstration (SDD)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604814A: <i>Artillery Munitions - EMD</i>	<b>PROJECT</b> 708: <i>XM982 PROJECTILE</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment Ia-2 Prod. Deliveries	4	2011	1	2014
Increment Ia-2 IOC	1	2012	1	2012
Increment Ib Milestone C	2	2013	2	2013
Increment Ib Production Award	2	2013	2	2013
Increment Ib Production Deliveries	2	2014	3	2016
Increment Ib First Article Testing	2	2014	2	2014
Execution of DT/OT Supporting MS-C	2	2012	4	2012
Final Safety/Reliability Tests Supporting Material Release	4	2012	4	2013
Preparation & Execution of Increment Ib IOT&E	4	2013	2	2014
Increment Ib IOC	3	2014	3	2014