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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY

2040: *Research, Development, Test & Evaluation, Army*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0604814A: *Artillery Munitions - EMD*

COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	40.856	26.371	42.627	-	42.627	4.299	2.347	0.025	0.027	Continuing	Continuing
708: <i>XM982 PROJECTILE</i>	40.856	26.371	42.627	-	42.627	4.299	2.347	0.025	0.027	Continuing	Continuing

Note

Change Summary Explanation:

FY 2012: Increase of \$34.673 million is attributed to new estimate for Increment Ib execution based on actual costs from the Increments Ia program. The majority of this funding is necessary to support required Operational Testing of Increment Ib and increased from original estimates based on the actual costs of the Increment Ia IOT&E and the new requirement to conduct a Limited User Test to support a Milestone C decision. Other drivers were an extension of the Increment Ib development effort that led to a very successful down select in 4QFY10 and the requirement to provide an out of cycle update to Advanced Field Artillery Tactical Data Systems (AFATDS) in support of Increment Ib fielding in FY13.

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), and the M109A6 (Paladin) 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 in accordance with an established Project Agreement.

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 will be delivered in FY11 and will greatly increase range to LW155 and Paladin. Increment Ib will provide further performance improvements while significantly lowering unit costs.

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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 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	42.230	26.371	7.954	-	7.954
Current President's Budget	40.856	26.371	42.627	-	42.627
Total Adjustments	-1.374	-	34.673	-	34.673
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.374	-			
• Adjustments to Budget Years	-	-	34.673	-	34.673

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604814A: <i>Artillery Munitions - EMD</i>				PROJECT 708: <i>XM982 PROJECTILE</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
708: <i>XM982 PROJECTILE</i>	40.856	26.371	42.627	-	42.627	4.299	2.347	0.025	0.027	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
<p>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), and the M109A6 (Paladin) 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 in accordance with an established Project Agreement.</p> <p>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 will be delivered in FY11 and will greatly increase range to LW155 and Paladin. Increment Ib will provide further performance improvements while significantly lowering unit costs.</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Advanced Field Artillery Tactical Data Systems (AFATDS)								0.122	0.500	3.000	
Articles:								0	0		
Description: Engineering support for Excalibur platform integration to include development and qualification of the Enhanced Platform Integration Kit and Portable Inductive Artillery Fuze Setter (EPIAFS), Advanced Field Artillery Tactical Data Systems (AFATDS), and digital howitzer integration.											
FY 2010 Accomplishments: Advanced Field Artillery Tactical Data Systems (AFATDS)											
FY 2011 Plans: Advanced Field Artillery Tactical Data Systems (AFATDS)											
FY 2012 Plans: Advanced Field Artillery Tactical Data Systems (AFATDS)											
Title: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ia.								4.371	-	-	
Articles:								0			

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army			DATE: February 2011			
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 2010	FY 2011	FY 2012
Description: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ia.						
FY 2010 Accomplishments: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ia.						
Title: Increment Ib development effort.				35.069	20.771	28.305
Articles:				0	0	
Description: Increment Ib development effort.						
FY 2010 Accomplishments: Initiate and implement Increment Ib development effort to include detailed design, reliability growth, and procure test hardware for developmental testing.						
FY 2011 Plans: 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.						
Title: Support and conduct developmental and qualification testing for Increment Ib.				1.294	5.100	4.072
Articles:				0	0	
Description: Support and conduct developmental and qualification testing for Increment Ib.						
FY 2010 Accomplishments: Support and conduct developmental and qualification testing for Increment 1b.						
FY 2011 Plans: Support and conduct developmental and qualification testing for Increment Ib.						
FY 2012 Plans: Support and conduct developmental and qualification testing for Increment Ib.						
Title: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ib.				-	-	7.250
Description: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ib.						

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army							DATE: February 2011				
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 2010	FY 2011	FY 2012		
FY 2012 Plans: Conduct Initial Operational Test & Evaluation (IOT&E) efforts for Increment Ib.											
Accomplishments/Planned Programs Subtotals							40.856	26.371	42.627		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• Procurement Ammunition Army: Procurement Ammunition Army: Proj 155mm Extended Range: XM982-U Excalibur: E80103	112.855	62.114	69.074		69.074		67.009			0.000	419.964
• Other Procurement Army 2: Other Procurement Army (OPA2): Enhanced Portable Inductive Fuze Setter (EPIAFS): AD3260	3.074									0.000	3.074
D. Acquisition Strategy											
<p>Excalibur is a family of Precision Guided Extended Range Munitions. In 1997, a competitive source selection awarded an Engineering and Manufacturing Development (EMD) contract 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 FY07 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. The Increment Ib strategy was to conduct a demonstration phase followed by a shoot off and down select 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> <p>The Army reviewed the Excalibur program as part of a Precision Fires Capability Portfolio Review (CPR) and concluded that the Army Procurement Objective quantity to be delivered for operational use should be reduced from 30,000 projectiles to 6,264. On April 22, 2010 the Army Acquisition Executive chaired an annual Configuration Steering Board where he accepted the CPR assessment and recommendation to reduce the projectile quantity to 6,264. The significant quantity reduction resulted in unit cost growth that exceeds the critical statutory Acquisition Program Baseline thresholds. Pursuant to section 2433a of title 10, United States Code, the Under Secretary of Defense (Acquisition, Technology and Logistics) (USD(AT&L)) conducted a review of the Excalibur program. On January 10, 2011 the USD(AT&L) certified with respect to the restructured Excalibur program that:</p> <p>a. the continuation of the program is essential to the national security;</p> <p>b. there are no alternatives to the program which will provide acceptable capability to meet the joint military requirement at less cost;</p>											

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<div style="margin-left: 20px;">c. the new estimates of the program acquisition unit cost or procurement unit cost have been determined by the Director of Cost Assessment and Program Evaluation to be reasonable;</div> <div style="margin-left: 20px;">d. the program is a higher priority than programs whose funding must be reduced to accommodate the growth in cost of the program; and</div> <div style="margin-left: 20px;">e. the management structure for the program is adequate to manage and control program acquisition unit cost or procurement unit cost.</div> <div>E. Performance Metrics 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.</div>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
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					
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
Excalibur Increment Ia Development	C/CPIF	Raytheon Missile System:Tucson, AZ	428.187	-		-		-		-	Continuing	Continuing	Continuing
Fee on Excalibur Development Contract	C/CPIF	Raytheon Missile System:Tucson, AZ	35.379	-		-		-		-	Continuing	Continuing	Continuing
TCM Merger Assessment	SS/FP	Bofors Defence, Karlskoga:Sweden	14.430	-		-		-		-	Continuing	Continuing	Continuing
Platform Integration-Systems Contractor	MIPR	ARES:Annapolis, MD	0.840	-		-		-		-	Continuing	Continuing	Continuing
Platform Integration/Fire Control - AFATDS	SS/CPIF	Raytheon AFATDS:Fort Wayne, IN	5.045	0.500		3.000		-		3.000	Continuing	Continuing	Continuing
Misc Support Contracts	Various	Various:Various	3.090	0.100		0.200		-		0.200	Continuing	Continuing	Continuing
Platform Integration Firing Tables Development	MIPR	ARDEC, Firing Tables Branch Picatinny, NJ and:Aberdeen, MD	2.124	-		-		-		-	Continuing	Continuing	Continuing
Platform Integration LW155 M777A2	C/CPIF	BAE:Burlington, VT	11.989	-		-		-		-	Continuing	Continuing	Continuing
Increment Ib Development	C/CPIF	Raytheon Missile System:Tucson, AZ	48.882	18.996		21.804		-		21.804	Continuing	Continuing	Continuing
SS-SFM Test Projectiles	C/FFP	Various:Varoius	10.815	-		-		-		-	Continuing	Continuing	Continuing
Govt Support Platform Integration Development	MIPR	ARDEC:Picatinny, NJ	6.775	-		-		-		-	Continuing	Continuing	Continuing
Platform Integration & EPIAFS Software Development	MIPR	Navy, Surface Warfare Center:MD	0.230	-		-		-		-	Continuing	Continuing	Continuing
Follow on Precision Artillery risk reduction	C/CPFF	ARDEC:Picatinny, NJ	5.049	-		-		-		-	Continuing	Continuing	Continuing
ARDEC fuze technology maturation (DOTC)	SS/FP	ARDEC:Picatinny, NJ	3.872	-		-		-		-	Continuing	Continuing	Continuing
Advanced Cargo Projectile Technology	MIPR	DMEA, McClellan:CA	2.390	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			579.097	19.596		25.004		-		25.004			

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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 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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	25.873	0.500		0.751		-		0.751	Continuing	Continuing	Continuing
Government TCM Support	MIPR	ARDEC:Picatinny, NJ	0.910	-		-		-		-	Continuing	Continuing	Continuing
Government Support- Ft Sill	MIPR	Ft. Sill:OK	3.524	0.075		0.100		-		0.100	Continuing	Continuing	Continuing
Government Support-Excalibur XM982	MIPR	ARDEC:Picatinny, NJ	58.833	1.000		5.000		-		5.000	Continuing	Continuing	Continuing
Paladin Platform Integration	MIPR	PM Paladin:Picatinny, NJ	0.930	-		-		-		-	Continuing	Continuing	Continuing
Modeling and Structural Development	MIPR	Army Research Labs:Adelphi, MD	9.034	-		-		-		-	Continuing	Continuing	Continuing
Milestone Support	C/FP	Camber:Alexandria, VA	1.673	-		0.050		-		0.050	Continuing	Continuing	Continuing
Government Support Platform Integration	MIPR	ARDEC:Picatinny, NJ	6.241	-		-		-		-	Continuing	Continuing	Continuing
Technical Spt Contract for Platform Integration	C/FP	Camber:Dallas, TX	0.821	-		-		-		-	Continuing	Continuing	Continuing
Fire Control development support	MIPR	Fort Monmouth, NJ and:Fort Sill, OK	1.008	-		-		-		-	Continuing	Continuing	Continuing
Government Engineering Support for Precision Artillery Risk Reduction	MIPR	ARDEC:Picatinny, NJ	2.750	-		-		-		-	Continuing	Continuing	Continuing
Miscellaneous Support	Various	Various:Various	3.750	0.100		0.400		-		0.400	Continuing	Continuing	Continuing
Platform Integration Software Support	MIPR	Navy Surface Warfare Center:MD	0.390	-		-		-		-	Continuing	Continuing	Continuing
PM CAS SS-SFM	PO	PM CAS:Picatinny, NJ	0.700	-		-		-		-	Continuing	Continuing	Continuing
Government Support - SS-SFM	MIPR	ARDEC:Picatinny, NJ	1.625	-		-		-		-	Continuing	Continuing	Continuing
Increment Ia Engineering Services	C/CPFF	DRS:Eatontown, NJ	12.850	-		-		-		-	Continuing	Continuing	Continuing
Increment Ia Engineering Services	MIPR	DMEA:McClellan, CA	4.778	-		-		-		-	Continuing	Continuing	Continuing
Engineering Services for Increment 1a-2	SS/CPFF	ARDEC:Picatinny, NJ	-	-		-		-		-	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011		
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					
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			136.043	1.675		6.301		-		6.301			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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	19.843	0.200		3.150		-		3.150	Continuing	Continuing	Continuing
Test Instrumentation and Analysis	MIPR	Army Research Labs:Adelphi, MD	3.377	0.200		0.250		-		0.250	Continuing	Continuing	Continuing
Telemetry Support	SS/FFP	Physical Science Laboratories (PSL):Las Cruces, NM	2.746	0.200		0.200		-		0.200	Continuing	Continuing	Continuing
Telemetry Support	MIPR	ARDEC:Picatinny, NJ	17.561	0.100		0.100		-		0.100	Continuing	Continuing	Continuing
Telemetry Cryptographic Support & Anti-Jam Support	MIPR	Ft. Huachuca:AZ	0.743	0.085		0.102		-		0.102	Continuing	Continuing	Continuing
Tri-Service Software Assessment	MIPR	OSD:Washington, DC	0.061	-		-		-		-	Continuing	Continuing	Continuing
Target Replacement, Definition, Maintenance and Repair and Threat Assessment	MIPR	Target Management Office:Huntsville, AL	1.301	-		0.050		-		0.050	Continuing	Continuing	Continuing
Operational Test Support & AEC	MIPR	ATEC:Alexandria, VA	9.024	0.095		0.120		-		0.120	Continuing	Continuing	Continuing
ARDEC Testing	MIPR	ARDEC:Picatinny, NJ	2.458	0.050		0.100		-		0.100	Continuing	Continuing	Continuing
Test Gun Equipment	MIPR	Watervliet Arsenal:NY	3.972	-		-		-		-	Continuing	Continuing	Continuing
SS-SFM Testing	MIPR	Yuma Proving Grounds:Yuma, AZ	2.300	-		-		-		-	Continuing	Continuing	Continuing
TECOM Test Range	MIPR		6.366	4.170		7.000		-		7.000	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011		
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Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 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
		White Sands Missile Range:NM											
Live Fire Test and Evaluation	MIPR	ARL:Aberdeen, MD	0.697	-		-		-		-	Continuing	Continuing	Continuing
Operational Test Support	MIPR	Ft. Sill:OK	3.144	-		0.250		-		0.250	Continuing	Continuing	Continuing
Test Hardware	SS/CPFF	SAVIT:Parsippany, NJ	0.450	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			74.043	5.100		11.322		-		11.322			

	Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	789.183	26.371		42.627		-		42.627			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604814A: <i>Artillery Munitions - EMD</i>		PROJECT 708: <i>XM982 PROJECTILE</i>	

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	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 IOT&E																												
Increment Ia-2 IOC																												
Increment Ib Downselect Decision																												
Increment Ib Milestone C																												
Increment Ib Production Award																												
Increment Ib Production Deliveries																												
Preparation & Execution of Increment Ib IOT&E																												
Increment Ib First Article Testing																												
Increment Ib IOC																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604814A: <i>Artillery Munitions - EMD</i>	PROJECT 708: <i>XM982 PROJECTILE</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment Ia-2 Prod. Deliveries	2	2011	1	2013
Increment Ia-2 IOT&E	1	2010	1	2010
Increment Ia-2 IOC	3	2011	3	2011
Increment Ib Downselect Decision	3	2010	3	2010
Increment Ib Milestone C	2	2012	2	2012
Increment Ib Production Award	2	2012	2	2012
Increment Ib Production Deliveries	2	2013	1	2016
Preparation & Execution of Increment Ib IOT&E	3	2012	4	2012
Increment Ib First Article Testing	2	2013	2	2013
Increment Ib IOC	1	2014	1	2014

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