Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

PE 0604814A: Artillery Munitions - EMD

BA 5: Development & Demonstration (SDD)

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	70.008	42.230	26.371	0.000	26.371	7.954	2.364	2.413	2.462	Continuing	Continuing
708: XM982 PROJECTILE	70.008	42.230	26.371	0.000	26.371	7.954	2.364	2.413	2.462	Continuing	Continuing

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 offer significant reduction in collateral damage in most of all 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 and Enduring Freedom (OIF/OEF). Production deliveries continue to support the Warfighters. Increment Ia-2 will be delivered in FY10 and will greatly increase range to LW155, and Paladin. Increment Ib is a follow on Artillery Precision development effort which will provide further performance improvements while significantly lowering unit costs.

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	79.134	42.452	17.477	0.000	17.477
Current President's Budget	70.008	42.230	26.371	0.000	26.371
Total Adjustments	-9.126	-0.222	8.894	0.000	8.894
 Congressional General Reductions 		-0.222			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		0.000			
 Congressional Directed Transfers 		0.000			
 Reprogrammings 	-7.000	0.000			
• SBIR/STTR Transfer	-2.126	0.000			
 Adjustments to Budget Years 	0.000	0.000	8.894	0.000	8.894

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Army		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	
BA 5: Development & Demonstration (SDD)		
Change Summary Explanation		
Change Summary Explanation: FY 2009: \$7.0 million reprogrammed to continuing development efforts and test hardware to conduct/support te		011: \$8.894 million increase for

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)							PROJECT 708: <i>XM</i> 982	PROJECTIL	E		
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
708: XM982 PROJECTILE	70.008	42.230	26.371	0.000	26.371	7.954	2.364	2.413	2.462	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

Excalibur provides improved fire support through a Precision Guided Extended Range family of munitions with greatly increased accuracy and offer significant reduction in collateral damage in most of all 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 and Enduring Freedom (OIF/OEF). Production deliveries continue to support the Warfighters. Increment Ia-2 will be delivered in FY10 and will greatly increase range to LW155, and Paladin. Increment Ib is a follow on Artillery Precision development effort which will provide further performance improvements while significantly lowering unit costs.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	10.826	1.300	0.000	0.000	0.000
Conduct Systems and Specialty Engineering activities to include specification development, Cost As Independent Variable (CAIV), program metric tracking, and conduct modeling of lethality, effectiveness, and aeroballistics, and reliability.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: Febr	uary 2010	
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 Program (\$ in Millions)		1			
	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #2	2.314	0.000	0.000	0.000	0.000
Procured development test hardware and conducted test and evaluation.					
FY 2009 Accomplishments: FY 2009 FY 2010 Plans: FY 2010 FY 2011 Base Plans:					
FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO					
Program #3 Engineering support for Excalibur platform integration to include developed Platform Integration Kit and Portable Inductive Artillery Fuze Setter (EPL Control System (PEFCS), Advanced Field Artillery Tactical Direction System (PEFCS).	AFS), Portable Excalibur Fire	0.200	0.100	0.000	0.100

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	708: <i>XM</i> 982	PROJECTILE
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #4	4.506	1.340	0.000	0.000	0.000
Conduct Independent Operational Test & Evaluation (IOT&E) efforts for Increment Ia.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #5	45.633	31.507	19.139	0.000	19.139

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	708: <i>XM</i> 982	PROJECTILE
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Initiate and implement Increment Ib the follow on Artillery Development efforts.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #6	5.282	6.700	7.132	0.000	7.132
Procure development test hardware and conduct test and evaluation.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
	I	1	I		

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	708: <i>XM</i> 982	PROJECTILE
BA 5: Development & Demonstration (SDD)			

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #7	1.197	0.000	0.000	0.000	0.000
Advanced Cargo Projectile Technology (Congressional add not associated with Excalibur).					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					
Program #8	0.000	1.183	0.000	0.000	0.000
Small Business Innovative Research/Small Business Technology Transfer Programs.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
FY 2011 Base Plans: FY 2011 Base					
FY 2011 OCO Plans: FY 2011 OCO					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

BA 5: Development & Demonstration (SDD)

R-1 ITEM NOMENCLATURE

PROJECT

2040: Research, Development, Test & Evaluation, Army

PE 0604814A: Artillery Munitions - EMD

708: XM982 PROJECTILE

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Accomplishments/Planned Programs Subtotals	70.008	42.230	26.371	0.000	26.371

C. Other Program Funding Summary (\$ in Millions)

	•		FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	$\underline{\mathbf{OCO}}$	Total	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• Ord. #1: Procurement Ammunition	69.119	114.300	62.114	0.000	62.114	84.109	99.917	152.449	153.389	641.199	1,376.596
Army: Proj 155mm Extended Range:											
XM982-U Excalibur: E80103											
• Ord. #2: OPA2: Enhanced Portable	2.571	3.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	5.645
Inductive Fuze Setter (E-PIAFS):											

Inductive Fuze Setter (E-PIAFS):

AD3260

D. Acquisition Strategy

Excalibur is a family of Precision Guided Extended Range Munitions. 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 process that provided for an early fielding capability in FY07 in response to an Urgent Needs Statement in support of OIF/OEF. Increment Ib was solicited as a full and open competition and awarded to two contractors. Increment Ib strategy is to conduct a demonstration phase followed by a shoot off and down select to a single contractor for qualification and production.

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

DATE: February 2010

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	2011	FY	2011	FY 2011			
				FY 2	2010	Ba	ise	00	CO	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	0.000		0.000		0.000		0.000	Continuing	Continuing	(
Fee on Excalibur Development Contract	С	Raytheon Missile System Tucson, AZ	35.379	0.000		0.000		0.000		0.000	Continuing	Continuing	(
TCM Merger Assessment	C/FP	Bofors Defence Karlskoga, Sweden	14.430	0.000		0.000		0.000		0.000	Continuing	Continuing	(
Platform Integration- Systems Contractor	С	ARES Annapolis, MD	0.840	0.000		0.000		0.000		0.000	Continuing	Continuing	(
Misc Support Contracts	C/Various	Various Location could not be determined.	3.090	0.686		0.600		0.000		0.600	Continuing	Continuing	(
Platform Integration/Fire Control - AFATDS	SS/CPIF	Raytheon AFATDS Ft Wayne, IN	4.945	0.100		0.050		0.000		0.050	Continuing	Continuing	(
Platform Integration Firing Tables Development	С	ARDEC Firing Tables Branch, Picatinny, NJ/Aberdeen, MD	2.124	0.000		0.000		0.000		0.000	Continuing	Continuing	(
Platform Integration LW155 M777A2	C/CPIF	BAE Burlington Vt.	11.989	0.000		0.000		0.000		0.000	Continuing	Continuing	(
SS-SFM Test Projectiles	C/FFP	Various Location could not be determined.	10.815	0.000		0.000		0.000		0.000	Continuing	Continuing	(
Increment Ib Development	C/Various	TBS	21.000	26.729		15.873		0.000		15.873	Continuing	Continuing	(

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

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R-1 ITEM NOMENCLATURE

PROJECT

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

PE 0604814A: Artillery Munitions - EMD

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Product Development (\$ in Millions)

_			_										
				FY	2010	FY 2 Ba		FY 2	2011 CO	FY 2011 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
		Location could not be determined.											
Govt Support Platform Integration Development	С	ARDEC Picatinny, NJ	6.775	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Platform Integration & EPIAFS Software Development	С	Navy Surface Warfare Center, MD	0.230	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Follow on Precision Artillery risk reduction	C/CPFF	Picatinny NJ	3.234	0.000		0.000		0.000		0.000	Continuing	Continuing	0
ARDEC fuze technology maturation	С	Picatinny NJ	2.500	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Advanced Cargo Projectile Technology	С	DMEA McClellan, CA	1.396	0.000		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	546.934	27.515		16.523		0.000		16.523			0.000

Remarks

Support (\$ in Millions)

							7 2011 Base	FY:	2011 CO	FY 2011 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	С	PM Excalibur Picatinny, NJ	25.173	0.568		0.551	1	0.000		0.551	Continuing	Continuing	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

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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

Support (\$ in Millions)

				FY	2010	FY 2 Ba	2011 ase	FY 2	-	FY 2011 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- Excalibur XM982	С	ARDEC Picatinny, NJ	58.833	1.400		1.445		0.000		1.445	Continuing	Continuing	0
Government TCM Support	С	ARDEC Picatinny, NJ	0.910	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Goverment Support- Ft Sill	С	Ft. Sill OK	3.724	0.120		0.120		0.000		0.120	Continuing	Continuing	0
Paladin Platform Integration	С	PM Paladin Picatinny NJ	0.930	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Modeling and Structural Development	С	Army Research Labs Adelphi, MD	9.034	0.104		0.100		0.000		0.100	Continuing	Continuing	0
Government Support Platform Integration	С	ARDEC Picatinny, NJ	6.241	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Milestone Support	SS/FP	Camber Alexandria, VA	1.540	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Technical Spt Contract for Platform Integration	SS/FP	Camber Dallas, TX	0.821	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Fire Control development support	С	Ft Monmouth NJ/Ft Sill, OK	1.008	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Miscellaneous Support	С	Various Location could not be determined.	4.150	0.800		0.500		0.000		0.500	Continuing	Continuing	0
Government Engineering Support for Precision Artillery Risk Reduction	С	ARDEC Picatinny NJ	0.000	2.500		0.000		0.000		0.000	Continuing	Continuing	0

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

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PROJECT

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

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Support (\$ in Millions)

			_										
				FY	2010	FY 2011 Base		FY:	2011 CO	FY 2011 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 Software Support	С	Navy Surface Warfare Center MD	0.390	0.000		0.000		0.000		0.000	Continuing	Continuing	0
PM CAS SS-SFM	С	PM CAS Picatinny, NJ	0.700	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Government Support - SS- SFM	С	ARDEC Picatinny, NJ	1.625	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Increment Ia Engineering Services	C/CPFF	DRS Eatontown, NJ	12.850	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Increment Ia Engineering Services - 2	С	DMEA McClellan, CA	1.500	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Government Support- Advanced Cargo Projectile Technology	С	ARDEC Picatinny NJ	0.150	0.000		0.000		0.000		0.000	Continuing	Continuing	0
		Subtotal	129.579	5.492		2.716		0.000		2.716			0.000

Remarks

Test and Evaluation (\$ in Millions)

2 050 0110 2 (0110101011 (0	p	.5)											
				FY	2010		2011 ase		2011 CO	FY 2011 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	С	YPG	19.843	1.870		1.235		0.000		1.235	Continuing	Continuing	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

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

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Test and Evaluation (\$ in Millions)

				FY	2010		2011 ase		2011 CO	FY 2011 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
		Yuma, AZ											
Test Instrumentation and Analysis	С	Army Research Labs Adelphi, MD	3.527	0.276		0.150		0.000		0.150	Continuing	Continuing	0
Telemetry Support	SS	Physical Science Laboratories (PSL) Las Cruces, NM	2.996	0.300		0.200		0.000		0.200	Continuing	Continuing	0
Telemetry Support - 2	С	ARDEC Picatinny, NJ	18.222	0.300		0.250		0.000		0.250	Continuing	Continuing	0
Telemetry Cryptographic Support & Anti-Jam Support	С	Ft. Huachuca AZ	0.555	0.050		0.050		0.000		0.050	Continuing	Continuing	0
Tri-Service Software Assessment	С	OSD Wash, DC	0.061	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Operational Test Support & AEC	С	ATEC Alexandria, VA	8.819	0.104		0.100		0.000		0.100	Continuing	Continuing	0
Target Replacement, Definition, Maintenance and Repair and Threat Assessment	С	Target Management Office Huntsville, AL.	1.250	0.050		0.100		0.000		0.100	Continuing	Continuing	0
ARDEC Testing	С	ARDEC Picatinny, NJ	2.354	0.250		0.250		0.000		0.250	Continuing	Continuing	0
Test Gun Equipment	С	Watervliet Arsenal NY	3.972	0.000		0.000		0.000		0.000	Continuing	Continuing	0
SS-SFM Testing	С	Yuma Proving Grounds	2.300	0.000		0.000		0.000		0.000	Continuing	Continuing	0

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army

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R-1 ITEM NOMENCLATURE

PROJECT

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

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708: XM982 PROJECTILE

Test and Evaluation (\$ in Millions)

				FY 2010			2011 ase		2011 CO	FY 2011 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
		Yuma, AZ											
Live Fire Test and Evaluation	С	ARL Aberdeen, MD	0.496	0.000		0.000		0.000		0.000	Continuing	Continuing	0
TECOM Test Range - 2	С	White Sands Missile Range NM	2.421	3.880		4.797		0.000		4.797	Continuing	Continuing	0
Test Hardware	SS/CPFF	SAVIT Parsippanny, NJ	0.450	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Operational Test Support	С	Ft. Sill Ok	0.461	0.960		0.000		0.000		0.000	Continuing	Continuing	0
	Subtotal 67.727		67.727	8.040		7.132		0.000		7.132			0.000

Remarks

Management Services (\$ in Millions)

				FY 2010		FY 2 Ba	2011 ase		2011 CO	FY 2011 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
SBIR/STTR	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	1.183		0.000		0.000		0.000	Continuing	Continuing	C

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army		DATE: February 2010	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	708: <i>XM</i> 982	PROJECTILE

BA 5: Development & Demonstration (SDD)

Management Services (\$ in Millions)

wanagement bet vices	(ψ ΙΙΙ ΙΥΙΙΙΙΙΟ	113)											
						FY	2011	FY	2011	FY 2011			
FY:		FY 2010		Base		осо		Total					
	Contract Method	Performing Activity &	Total Prior								Cost To		Target Value of
Cost Category Item	& Type	Location	Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Complete	Total Cost	Contract
		Subtotal	0.000	1.183		0.000		0.000		0.000			0.000

Remarks

_						 			
	Total Prior Years Cost	FY 2010		2011 ase	FY 2	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	744.240	42.230	26.371		0.000	26.371			0.000

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2011 Army

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APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

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708: XM982 PROJECTILE

	FY 2009				FY 2010			FY 2011			FY 2012			2	FY 2013			3	FY 2014			4	FY 2015			5		
	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																		#	#	#	#	#	#	#	#	#	#	#
Increment Ib First Article Testing																	#											

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Army			DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604814A: Artillery Munitions - EMD	708: <i>XM</i> 982	PROJECTILE
BA 5: Development & Demonstration (SDD)			

Schedule Details

	Sta	art	E	nd
Event	Quarter	Year	Quarter	Year
Increment Ia-2 Prod. Deliveries	3	2010	2	2013
Increment Ia-2 IOT&E	1	2010	1	2010
Increment Ia-2 IOC	3	2010	3	2010
Increment Ib Downselect Decision	2	2010	2	2010
Increment Ib Milestone C	3	2011	3	2011
Increment Ib Production Award	1	2012	1	2012
Increment Ib Production Deliveries	2	2013	4	2015
Increment Ib First Article Testing	1	2013	1	2013

UNCLASSIFIED													
Exhibit R-5, RDT&E Termination Li	ability: PB 20	011 Army							DATE: February 2010				
APPROPRIATION/BUDGET ACTI 2040: Research, Development, Test & I BA 5: Development & Demonstration (R-1 ITEM N PE 0604814 <i>A</i>		TURE Junitions - EM	PROJECT 708: XM982 PROJECTILE									
Cost (\$ in Millions)	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015						
Program Termination Liability	0.000	0.000	20.146	13.465	4.704	0.000	0.000						
Notes Increment Ia XM982 Excalibur Engin	eering and Ma	anufacturing I	Development	(EMD) contra	act completed	. Increment II	b EMD contr	act awarded S	September 2008 as a Firm Fixed Price.				