Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army	DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604319A: *Indirect Fire Protection Capability Increment 2*

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	-	-	76.039	-	76.039	109.046	122.355	146.463	151.769	Continuing	Continuing
DU3: *IFPC2*	-	-	76.039	-	76.039	109.046	122.355	146.463	151.769	Continuing	Continuing

Note

FY 2013: Funds realigned ($0.817 milliom) to project DU3.

A. Mission Description and Budget Item Justification

This program supports the overall Air and Missile Defense (AMD) architecture and provides a robust intercept capability against rocket, artillery, and mortar (RAM) and residual Unmanned Aerial System (UAS) threats for deployed forces supporting stability and counterinsurgency operations. Indirect Fire Protection Capability Increment 2 (IFPC2) will integrate with current Counter-Rocket, Artillery, and Mortar (C-RAM), and RAM Warn Capability. When implemented, IFPC2 will provide 360 degree protection against RAM and residual UAS threats simultaneously attacking from multiple azimuths. Anticipated system will consist of a kinetic (missile or gun) and/or directed energy Interceptor, Fire Control Sensor, Technical Fire Control, Command Vehicle and control interfaces between major components. The specific system concept will be determined by an Analysis of Alternatives (AoA) to be completed in FY 2012. Tactical Command and Control is an external interface to the IFPC2 program to be provided by supported forces.

B. Program Change Summary ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	-	-	-	-	-
Current President's Budget	-	-	76.039	-	76.039
Total Adjustments	-	-	76.039	-	76.039
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	75.222	-	75.222
• Other Adjustments 1	-	-	0.817	-	0.817

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604319A: *Indirect Fire Protection Capability Increment 2*	PROJECT DU3: *IFPC2*	

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
DU3: *IFPC2*	-	-	76.039	-	76.039	109.046	122.355	146.463	151.769	Continuing	Continuing
Quantity of RDT&E Articles											

Note

Indirect Fire Protection Capability Increment II - Intercept (IFPC2) established a new Program Element (PE) 0604319A for its RDTE program.

Previous PE/Project/Title: 0603305A/TR7 Army Missile Defense Systems Integration/TR7 Indirect Fire Protection Capability II-Intercept

Current PE/Project/Title: 0604319A/DU3 Indirect Fire Protection Capability Increment 2/ DU3 IFPC2

Please note the following:
1) The funding in FY 2011-12 is shown in PE 0603305A and
2) The funding in FY 2013-17 is shown in PE 0604319A

A. Mission Description and Budget Item Justification

This program supports the overall Air and Missile Defense (AMD) architecture and provides a robust intercept capability against rocket, artillery, and mortar (RAM) and residual Unmanned Aerial System (UAS) threats for deployed forces supporting stability and counterinsurgency operations. Indirect Fire Protection Capability Increment 2 (IFPC2) will integrate with current Counter-Rocket, Artillery, and Mortar (C-RAM), and RAM Warn Capability. When implemented, IFPC2 will provide 360 degree protection against RAM and residual UAS threats simultaneously attacking from multiple azimuths. IFPC2 technologies may consist of kinetic and/or directed energy weapons, associated fire control sensors, and a technical fire control capability. The specific system concept will be determined by an Analysis of Alternatives (AoA) to be completed in FY 2012. Tactical Command and Control is an external interface to the IFPC2 program to be provided by supported forces.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Title: Milestone Documentation, Source Selection Evaluation Board, and contract execution	-	-	22.843
Description: Funding is provided for the following effort: ***FY 2013 Plans:*** Coordinate and execute Milestone Review. Complete establishment of requirements and functional baselines. Complete Contract Requirements Package development. Coordinate approval and release of Request for Proposal (RFP). Conduct a Source Selection Evaluation Board (SSEB). Receive and evaluate proposals. Recommend and coordinate with Milestone Decision			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2011	FY 2012	FY 2013
Authority contract awardees and award contracts. Initiate Technology Development Phase and system design efforts. Perform technical assessments, concept studies, cost reduction, risk reduction, and required documentation.			
Title: Engineering Technical supports Request for Proposal package, source selection process, technical evaluation and coordination for contract award ***Description:*** Funding is provided for the following effort: ***FY 2013 Plans:*** Provide engineering and technical support to the Indirect Fire Protection Capability Increment 2 (IFPC2) Product Office in completing the Request for Proposal (RFP) package, preparing for the source selection process, supporting technical evaluation of proposals, and coordinating through Contract Award. Provide support to the IFPC2 design process.	-	-	6.000
Title: Acquisition development phase contract initiation for the prime contractor ***Description:*** Funding is provided for the following effort ***FY 2013 Plans:*** Contract intitiation. Purchase prototype material. Support completion of component requirement definition. Begin design refinement from Science and Technology (S&T) effort to an acquisition baseline.	-	-	47.196
Accomplishments/Planned Programs Subtotals	-	-	76.039

C. Other Program Funding Summary ($ in Millions)

Line Item	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
• PE 0604869A, Proj M06: *Patriot/ MEADS Combined Aggregate Program (CAP)*	450.584	389.630	400.861		400.861					Continuing	Continuing
• PE 0605456A, Proj PA3: *PAC-3/ MSE MISSILE*	121.475	88.909	69.029		69.029		130.348	63.975	65.771	Continuing	Continuing
• SSN C53101: *MSE Missile*		74.953	12.850		12.850		505.084	596.387	566.757	Continuing	Continuing
• PE 0102419A, Proj E55: *JLENS*	399.477	327.338	190.422		190.422		32.480	24.130	24.612	Continuing	Continuing
• PE 0605455A, Proj S35: *SLAMRAAM*	18.358	1.529								Continuing	Continuing
• SSN C81002: *SLAMRAAM Launcher*	2.355									Continuing	Continuing

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army			DATE: February 2012
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C. Other Program Funding Summary ($ in Millions)

Line Item	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
• SSN WK5053: *FAAD GBS*	258.413	3.958	7.980		7.980					Continuing	Continuing
• PE 0605457A, Proj S40: *Army Integrated Air and Missile Defense (AIAMD)*	246.691	270.180	262.211		262.211		394.260	210.580	135.072	Continuing	Continuing
• SSN BZ5075: *Army IAMD Battle Command System (IBCS)*							103.453	281.828	426.582	Continuing	Continuing
• PE 0208053, Proj 635: *JOINT TACT GRD STATION-P3I (MIP)*	12.005	27.586	31.738		31.738		8.006	8.134	8.314	Continuing	Continuing
• SSN BZ8401: *Joint Tactical Ground Station (JTAGS)*	9.227	1.199	2.680		2.680		4.432	4.496	4.768	Continuing	Continuing
• PE 0604820A, Proj E10: *SENTINEL*		2.885	3.486		3.486		1.948	2.972	3.022	Continuing	Continuing
• PE 654741, Proj 126: *FAAD C2 ED*	7.978	9.730	3.664		3.664		3.388	3.505	3.640	Continuing	Continuing
• PE 654741, Proj 146: *Air & Msl Defense Planning Control System*	18.783	15.518	15.381		15.381		14.670	15.171	16.409	Continuing	Continuing
• PE 654741, Proj 149: *Counter-Rockets, Artillery & Mortar*	112.901	57.684	54.288		54.288					Continuing	Continuing

D. Acquisition Strategy

The Materiel Development Decision (MDD) was completed in fourth quarter FY 2011, allowing for the initiation of an Analysis of Alternatives (AoA) to determine material solution approach; establishment of requirement baseline; initiation of development of required Milestone documents; initiation of development and approval of Contract Requirements Package (CRP); and execution of the Milestone decision to authorize proceeding into the next phase of development and prepare for a contract award in FY 2013.

Anticipated system will consist of a kinetic (missile or gun) and/or directed energy Interceptor, Fire Control Sensor, Technical Fire Control, Command Vehicle and control interfaces between major components.

Award multiple full and open competitive contracts at the beginning of the acquisition development phase for competing teams to develop interceptor/fire control sensor designs and key component/system prototypes which will be demonstrated in their tactical configurations for Government evaluation prior to a Preliminary Design Review.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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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 2013 Army		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	R-1 ITEM NOMENCLATURE PE 0604319A: *Indirect Fire Protection Capability Increment 2*	PROJECT DU3: *IFPC2*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012 Cost	FY 2012 Award Date	FY 2013 Base Cost	FY 2013 Base Award Date	FY 2013 OCO Cost	FY 2013 OCO Award Date	FY 2013 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Government Product Office	TBD	Cruise Missile Defense Systems Project Office:Huntsville, AL	-	-		22.843		-		22.843	Continuing	Continuing	Continuing
Engineering Technical Centers	TBD	Aviation and Missile Research, Development, Engineering Center:Huntsville, AL	-	-		6.000		-		6.000	Continuing	Continuing	Continuing
Prime Contractor(s)	TBD	Multiple:TBD	-	-		47.196		-		47.196	Continuing	Continuing	Continuing
		Subtotal	-	-		76.039		-		76.039			

Remarks

Government and Engineering Technical Centers Product Development costs in FY 2013 cover the completion of required Milestone documentation (Technology Development Strategy; Test and Evaluation Strategy; System Engineering Plan); completion of Contract Requirements Package development in preparation for Milestone in FY 2013 and for a prime contract award in FY 2013. Prime Contractor(s) Product Development costs in FY 2013 cover contracting activities prior to Contract Award; purchase of materials for development phase prototypes; and initiation of design and development efforts.

	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	-	-		76.039		-		76.039			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0604319A: *Indirect Fire Protection Capability Increment 2*	**PROJECT** DU3: *IFPC2*

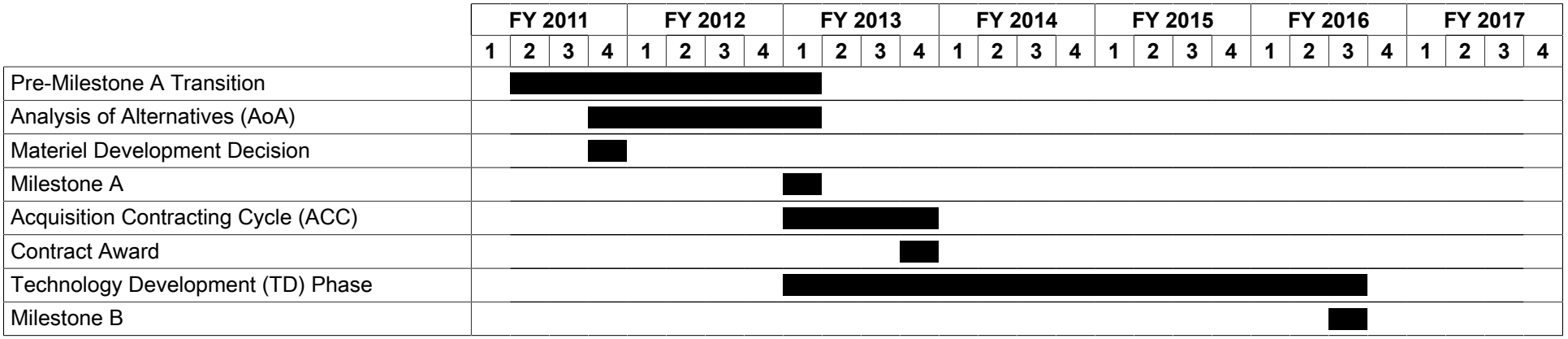

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 4: *Advanced Component Development & Prototypes (ACD&P)*	**R-1 ITEM NOMENCLATURE** PE 0604319A: *Indirect Fire Protection Capability Increment 2*	**PROJECT** DU3: *IFPC2*

Schedule Details

	Start		End	
Events	**Quarter**	**Year**	**Quarter**	**Year**
Pre-Milestone A Transition	2	2011	1	2013
Analysis of Alternatives (AoA)	4	2011	1	2013
Materiel Development Decision	4	2011	4	2011
Milestone A	1	2013	1	2013
Acquisition Contracting Cycle (ACC)	1	2013	4	2013
Contract Award	4	2013	4	2013
Technology Development (TD) Phase	1	2013	3	2016
Milestone B	3	2016	3	2016