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 0603790A: NATO Research and Development

BA 4: Advanced Component Development & Prototypes (ACD&P)

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	4.883	5.022	5.060	0.000	5.060	5.129	5.193	5.182	5.160	Continuing	Continuing
691: NATO RSCH & DEVEL	4.883	5.022	5.060	0.000	5.060	5.129	5.193	5.182	5.160	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program implements the provisions of Title 10 U.S. Code, Section 2350a, Cooperative Research and Development (R&D) Projects: Allied Countries. The objective is to improve, through the application of emerging technologies, the conventional defense capabilities of the United States and our cooperative partners, including the North Atlantic Treaty Organization (NATO), U.S. major non-NATO allies and Friendly Foreign countries. Through technology sharing and joint equipment development these projects help reduce U.S. acquisition costs and leverage important technologies for the Army Transformation and the development of the Future Combat system. Cooperative efforts also improve multinational force compatibility with potential coalition partners through the development and use of similar equipment and improved interfaces. The program focuses specifically on international cooperative technology demonstration, validation, and interoperability of Army weapon and command, control, communications and information (C3I) systems, including the NATO Defense Against Terrorism initiatives. Projects are implemented through international agreements with foreign partners that define scope, cost and work sharing arrangements, management, contracting, security, data protection and third party transfers. Funds are used to pay for only the U.S. work share that occurs in the United States at U.S. Government and U.S. contractors facilities.

B. Program Change Summary (\$ in Millions)

FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
5.025	5.048	5.087	0.000	5.087
4.883	5.022	5.060	0.000	5.060
-0.142	-0.026	-0.027	0.000	-0.027
	-0.026			
	0.000			
0.000	0.000			
	0.000			
	0.000			
0.000	0.000			
-0.142	0.000			
0.000	0.000	-0.027	0.000	-0.027
	5.025 4.883 -0.142 0.000 0.000 -0.142	5.025 5.048 4.883 5.022 -0.142 -0.026 -0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	5.025 5.048 5.087 4.883 5.022 5.060 -0.142 -0.026 -0.027 -0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 -0.142 0.000 0.000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	y							1 11 Mily 1 1			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
2040: Research, Development, Test &	Evaluation, An	Army PE 0603790A: NATO Research and Development				691: NATO RSCH & DEVEL					
BA 4: Advanced Component Develop	nent & Prototy	pes (ACD&P)								
COST (\$ in Millions)	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To	

DATE: February 2010

			FY 2011	FY 2011	FY 2011						
COST (\$ in Millions)	FY 2009	FY 2010	Base	OCO	Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To	
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	Total Cost
691: NATO RSCH & DEVEL	4.883	5.022	5.060	0.000	5.060	5.129	5.193	5.182	5.160	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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

This program implements the provisions of Title 10 U.S. Code, Section 2350a, Cooperative Research and Development (R&D) Projects: Allied Countries. The objective is to improve, through the application of emerging technologies, the conventional defense capabilities of the United States and our cooperative partners, including the North Atlantic Treaty Organization (NATO), U.S. major non-NATO allies and Friendly Foreign countries. Through technology sharing and joint equipment development these projects help reduce U.S. acquisition costs and leverage important technologies for the Army Transformation and the development of the Future Combat system. Cooperative efforts also improve multinational force compatibility with potential coalition partners through the development and use of similar equipment and improved interfaces. The program focuses specifically on international cooperative technology demonstration, validation, and interoperability of Army weapon and command, control, communications and information (C3I) systems, including the NATO Defense Against Terrorism initiatives. Projects are implemented through international agreements with foreign partners that define scope, cost and work sharing arrangements, management, contracting, security, data protection and third party transfers. Funds are used to pay for only the U.S. work share that occurs in the United States at U.S. Government and U.S. contractors facilities.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Program #1	0.815	0.825	0.840	0.000	0.840
Scientific and Technology Enterprise Management (STEM)/International Online (IOL) Development and Implementation NATO/International Cooperative R&D (AR 70-41) and International Acquisition (AR 70-1, AR 70-3)					
FY 2009 Accomplishments: FY 2009					

	UNCLASSIFIED						
Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	uary 2010		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and De	velopment	PROJECT 691: NATO RSCH & DEVEL				
B. Accomplishments/Planned Program (\$ in Millions)			1				
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							
Program #2 Multilateral Interoperability Program (MIP) (Partners: Germany, France Continued integration work from the Command and Control Systems In an Advanced Concept Technology Demonstration (ACTD) to achieve I (database) interoperability and also extend the effort into a sustainable partional systems (e.g. AFATDS, FADC2). FY 2009 Accomplishments: FY 2010 Plans: FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO	nteroperability Program (C2SIP) into NATO levels four (messaging) and five	0.665	0.686	0.667	0.000	0.667	
Program #3		0.212	0.220	0.225	0.000	0.225	

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army	R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and Development PROJECT 691: NATO B		RSCH & DEVEL					
BA 4: Advanced Component Development & Prototypes (ACD&P)		1E 0003730A. NATO Research una Developmeni 031.		TO RICH & DEVEL				
B. Accomplishments/Planned Program (\$ in Millions)								
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Low Level Air Defense Interoperability (LLAPI) (Partners: Major NA is to successfully demonstrate Command and Control (C2) interopera Range Air Defense (shared) assets for automated air picture exchange	bility among the participant nations' Short							
FY 2009 Accomplishments: FY 2009								
FY 2010 Plans: FY 2010								

Program #4

FY 2011 Base Plans: FY 2011 Base

FY 2011 OCO Plans: FY 2011 OCO

Multi-National Network Enabled Capabilities (MNNEC) related Command, Control, Communications, Computers, Intelligence Surveillnace and Reconnaissance (C4ISR)(Potential Partners: United Kingdom, France, Italy, Germany and major NATO Allies) MNNEC would foucs on developing a single solutions standard avoiding development of multiple unique solutions and leverage existing interoperability standards developed by NATO as well as other international forums such as the Five Power Net Centrick PA. A single solution standard will include common doctrine, technical and procedural specifications to make better use of exising information, shared data, leverage national operating picture capabilities and enable the development of interoperability of data, databases, applications, security domains and national networks architectures. The MNNEC is more than interoperability of information systems; it is the complete networking of information systems with sensors and shooters focusing on building Net-Centric interoperability among coalition tactical land components operating in a Joint Environment, focused at the Brigade and Below level, but not excluding using the services provided at higher echelons. The

UNCLASSIFIED

0.543

0.547

0.540

0.000

0.540

R-1 Line Item #65 Page 4 of 17 235 of 1922

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 0603790A: NATO Research and Development	691: NATO RSCH & DEVEL		
BA 4: Advanced Component Development & Prototypes (ACD&P)				

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
MNNEC has a future force focus, endeavoring to define migration strategies for Net-Centric capabilities in the 2010-2025 timeframe with part of the work to determine the time-phased implementations of a Multi-National Network Enabled Capability. The end results would be an integration of national C2/C4ISR systems into an NCES environment to include the NATO Network Enabled Capabilities (NNEC) and the 5 Powers Net Centric Project Agreement.					
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	0.100	0.050	0.050	0.000	0.050
Combat Identification (Partners: UK, Germany, France and Italy): Combat ID will pursue the extension of tasks required for implementing the associated NATO Standardization Agreement (STANAG 4579), allied participation in Coalition Combat ID Advanced Concept Technology Demonstrator (ACTD), will pursue the NATO Staff Requirement and a STANAG for the Dismounted Soldier ID.					
FY 2009 Accomplishments: FY 2009					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010					
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and Develop	oment	PROJECT 691: NATO RSCH & DEVEL			
B. Accomplishments/Planned Program (\$ in Millions)	,					
	FY	Y 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
FY 2010 Plans: FY 2010						
FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO						
Program #6 Senior National Representatives (Army) (SNR-(A)) Projects (Partner Italy): Supports harmonization of programs at various levels: exchange gaps and conducting feasibility studies to further promote cooperative and roadmapping various processes; distributing the workload among Demonstrations hosted by the U.S. reps to Land Group 6, NATO Armand opportunity to observe and demonstrate the current and future case a view to assisting future operational and material interoperability. Attechnology demonstrations. FY 2009 Accomplishments: FY 2010 Plans: FY 2011 Base Plans: FY 2011 Base Plans: FY 2011 Base	ging information, identifying knowledge e development; standardizing, fielding the different nations. Technology any Armaments Group (NAAG), will provide pability of participating NATO nations with	0.819	0.738	0.873	0.000	0.873

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army	DATE: February 2010						
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and Development 691: NATO			O RSCH & DEVEL			
B. Accomplishments/Planned Program (\$ in Millions)							
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2011 OCO Plans: FY 2011 OCO							
Program #7		0.950	0.965	0.980	0.000	0.980	
Technology Research and Development Projects (TRDP) (Partners: U Canada, Australia, Netherlands, Korea, Norway): The scope of this M basic, exploratory and advanced Land Warfare Concepts and Technologystem enabling technologies, the maturation of which may lead to the conventional weapon systems. FY 2009 Accomplishments:	IOU encompasses R&D collaboration on ogies that are focused on Future Combat						
FY 2009							
FY 2010 Plans: FY 2010							
FY 2011 Base Plans: FY 2011 Base							
FY 2011 OCO Plans: FY 2011 OCO							

UNCLASSIFIED

Joint Tactical Radio System (JTRS) (Partners: Japan, Sweden, UK): The participants in these programs will develop and implement Software-enabled radios as replacements to current radio systems. The projects shall be focused on maintaining interoperability as the countries pursue their own separate software radio programs. The project agreements (PAs) will include a joint development of software radio specifications, separate development

0.300

0.300

0.270

0.000

0.270

Program #8

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 0603790A: NATO Research and Development	691: <i>NATO I</i>	RSCH & DEVEL
BA 4: Advanced Component Development & Prototypes (ACD&P)			

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
and testing of software waveforms, and joint interoperability testing using the system assets developed as part of the agreements.					
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 #9	0.344	0.350	0.365	0.000	0.365
Artillery Command and Control Interoperability (ASCA) (Partners: France, Germany, Italy, UK): The Participants in this program will develop an automated software interface between their national field artillery command and control systems. The nations will be able to receive and provide mutual fire support (i.e. cannon and rocket fire) in combined operations more rapidly and with minimal errors.					
FY 2009 Accomplishments: FY 2009					
FY 2010 Plans: FY 2010					
			L		

Exhibit R-2A, RDT&E Project Justification: PB 2011 Army				DATE: Febr	ruary 2010	
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and De	velopment	PROJECT 691: NATO	CT FO RSCH & DEVEL		
B. Accomplishments/Planned Program (\$ in Millions)						
		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 #10 Force Protection Projects (FPP) (Partners: United Kingdom, France, Orotection Projects will include R&D collaboration technologies stand Counter Improvised Explosive Devices (C-IED). Programs include (MOUT) and a variety of Defense Against Terrorism (DAT) initiative (DAMA) and Joint Precision Air Drop System (JPADS). FY 2009 Accomplishments: FY 2010 Plans: FY 2011 Base Plans: FY 2011 Base FY 2011 OCO Plans: FY 2011 OCO	nch as Counter Rocket and Mortar (C-RAM) de Military Operations in Urban Terrain	0.135	0.200	0.250	0.000	0.250
Program #11 Small Business Innovative Research/Small Business Technology Trans	nsfer Program	0.000	0.141	0.000	0.000	0.000
		1	1	1		

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

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

PROJECT

PROJECT

2040: Research, Development, Test & Evaluation, Army

BA 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development | 691: NATO RSCH & DEVEL

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					
Accomplishm	ents/Planned Programs Subtotals 4.883	5.022	5.060	0.000	5.060

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

N/A

D. Acquisition Strategy

All projects are test or technical demonstrations to feed into potential new requirements in support of Army Transformation to the Future Force or as product improvements to the Current Force.

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

Product Development (\$ 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
Multilateral Interoperability Program (MIP)	C/CPFF	C3S CSC Fort Washington, PA	1.376	0.165		0.186		0.000		0.186	Continuing	Continuing	0
STEM-IOL	C/CPFF	LSS/GDIT Fairfax, VA	3.440	0.545		0.595		0.000		0.595	Continuing	Continuing	0
Low Level Air Defense Interoperability (LLAPI)	С	AMCOM Redstone Ars, AL	0.825	0.117		0.120		0.000		0.120	Continuing	Continuing	0
Shared Tactical Ground Picture (STGP)/Single Integrated Ground Picture (SIGP)	С	CECOM Ft. Monmouth, VA	1.107	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Combat Identification	С	CECOM Ft. Monmouth, VA	0.867	0.050		0.025		0.000		0.025	Continuing	Continuing	0
Multi-National Network Enabled Capabilities (MNNEC) related to C4ISR	С	CECOM Ft. Monmouth, VA	1.797	0.452		0.455		0.000		0.455	Continuing	Continuing	0
Senior National Representatives (Army) (SNR[A])	C/TBD	ARDEC Dover, NJ	5.794	0.590		0.619		0.000		0.619	Continuing	Continuing	0
TRDP	C/CPFF	Batelle/LMI McClean, VA	1.163	0.305		0.332		0.000		0.332	Continuing	Continuing	0
Artillery Command and Control Interoperability (ASCA)	С	CECOM Ft. Monmouth, NJ	1.156	0.217		0.220		0.000		0.220	Continuing	Continuing	0
	С	PM JTRS	0.503	0.118		0.108		0.000		0.108	Continuing	Continuing	0

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

Product Development (\$ 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
Joint Tactical Radio System (JTRS)		San Diego, CA											
Force Protection Projects (FPP)	С	RDECOM Ft. Belvoir, VA	0.000	0.100		0.125		0.000		0.125	0	.357	0
	•	Subtotal	18.028	2.659		2.785		0.000		2.785			0.000

Remarks

Support (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		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
MIP	С	CECOM Ft. Monmouth NJ	0.663	0.195		0.200		0.000		0.200	Continuing	Continuing	0
STEM/IOL	С	RDECOM Ft. Belvoir, VA	0.793	0.125		0.130		0.000		0.130	Continuing	Continuing	0
Low Level Air Defense Interoperability (LLAPI)	С	AMCOM Redstone Ars, AL	0.432	0.048		0.049		0.000		0.049	Continuing	Continuing	0
Shared Tactical Ground Picture (STGP)/Single Integrated Ground Picture (SIGP)	С	CECOM Ft. Monmouth, VA	0.246	0.000		0.000		0.000		0.000	Continuing	Continuing	0

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

Support (\$ 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
Combat Identification	С	CECOM Ft. Monmouth NJ	0.539	0.025		0.000		0.000		0.000	Continuing	Continuing	0
Multi-National Network Enabled Capabilities (MNNEC) related to C4ISR	С	CECOM Ft. Monmouth NJ	0.567	0.091		0.080		0.000		0.080	Continuing	Continuing	0
SNR(A)	С	ARL APG, MD	1.303	0.190		0.145		0.000		0.145	Continuing	Continuing	0
TRDP	С	RDECOM Fort Belvoir, VA	1.163	0.315		0.333		0.000		0.333	Continuing	Continuing	0
Joint Tactical Radio System (JTRS)	С	PM JTRS San Diego, CA	0.170	0.115		0.117		0.000		0.117	Continuing	Continuing	0
Artillery Command and Control Interoperability (ASCA)	С	CECOM Ft. Monmouth NJ	0.277	0.075		0.083		0.000		0.083	Continuing	Continuing	0
Force Protection Projects (FPP)	С	RDECOM Ft. Belvoir, VA	0.000	0.010		0.022		0.000		0.022	0	.062	0
Small Business	С	Nothing entered for Activity and Location. Location could not be determined.	0.000	0.000		0.000		0.000		0.000	0	.141	0
		Subtotal	6.153	1.189		1.159		0.000		1.159			0.000

Remarks

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

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
MIP	С	CECOM Ft Monmouth NJ	0.662	0.155		0.160		0.000		0.160	Continuing	Continuing	0
STEM/IOL	С	RDECOM Ft. Belvoir, VA	0.530	0.090		0.100		0.000		0.100	Continuing	Continuing	0
Low Level Air Defense Interoperability (LLAPI)	С	AMCOM Redstone Ars, AL	0.176	0.017		0.019		0.000		0.019	Continuing	Continuing	0
Shared Tactical Ground Picture (STGP)/Single Integrated Ground Picture (SIGP)	С	AMSAA Aberdeen Proving Ground, NJ	0.134	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Combat Identification	С	CECOM Ft Monmouth NJ	0.509	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Multi-National Network Enabled Capabilities (MNNEC) related to C4ISR	С	CECOM Ft Monmouth NJ	0.443	0.000		0.000		0.000		0.000	Continuing	Continuing	0
SNR(A)	С	AMSAA APG, MD	0.824	0.125		0.120		0.000		0.120	Continuing	Continuing	0
TRDP	С	TBD Location could not be determined.	0.000	0.000		0.000		0.000		0.000	0	0	0
ASCA	С	CECOM Ft Monmouth NJ	0.174	0.040		0.040		0.000		0.040	Continuing	Continuing	0

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

Test and Evaluation (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		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
Joint Tactical Radio System (JTRS)	С	CECOM Ft Monmouth NJ	0.060	0.067		0.075		0.000		0.075	Continuing	Continuing	0
Force Protection Projects (FPP)	С	RDECOM Ft. Belvoir, VA	0.000	0.012		0.028		0.000		0.028	0	.095	0
		Subtotal	3.512	0.506		0.542		0.000		0.542			0.000

Remarks

Management Services (\$ in Millions)

				FY 2010		FY 2011 Base		FY 2011 OCO		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
MIP	С	PEO C3S Ft. Monmouth, NJ	0.501	0.150		0.140		0.000		0.140	Continuing	Continuing	0
STEM/IOL	С	RDECOM Ft. Belvoir, VA	0.258	0.055		0.000		0.000		0.000	Continuing	Continuing	0
Low Level Air Defense Interoperability (LLAPI)	С	AMCOM Redstone, Ars, AL	0.290	0.030		0.032		0.000		0.032	Continuing	Continuing	0
Shared Tactical GroundPicture (STGP)/ Single Integrated Ground Picture (SIGP)	С	CECOM Ft. Monmouth, VA	0.072	0.000		0.000		0.000		0.000	Continuing	Continuing	0

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 4: Advanced Component Development & Prototypes (ACD&P)

PE 0603790A: NATO Research and Development

691: NATO RSCH & DEVEL

Management Services (\$ in Millions)

				FY 2010			2011 ase	FY 2011 OCO		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
Combat Identification	С	CECOM Ft. Monmouth, NJ	0.447	0.025		0.025		0.000		0.025	Continuing	Continuing	0
Multi-National Network Enabled Capabilities (MNNEC) related to C4ISR	С	CECOM Ft. Monmouth, NJ	0.317	0.000		0.000		0.000		0.000	Continuing	Continuing	0
SNR(A)	С	ARL APG, MD	0.431	0.053		0.045		0.000		0.045	Continuing	Continuing	0
TRDP	С	REDCOM Fort Belvoir, VA	1.096	0.330		0.300		0.000		0.300	Continuing	Continuing	0
Artillery Command and Control Interoperability (ASCA)	С	CECOM Ft. Monmouth, NJ	0.084	0.012		0.007		0.000		0.007	Continuing	Continuing	0
JTRS	С	PM JTRS San Diego, CA	0.065	0.000		0.000		0.000		0.000	Continuing	Continuing	0
Force Protection Projects (FPP)	С	RDECOM Ft. Belvoir, VA	0.000	0.013		0.025		0.000		0.025	0	.071	0
		Subtotal	3.561	0.668		0.574		0.000		0.574			0.000

Remarks

	Total Prior Years Cost	FY 2010	FY 20 Base	FY 2	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	31.254	5.022	5.060	0.000	5.060			0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Army DATE: February 2010										
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 4: Advanced Component Development & Prototypes (ACD&P)			R-1 ITEM NOMENCLATURE PE 0603790A: NATO Research and Development			PROJECT 691: NATO RSCH & DEVEL				
	Total Prior Years Cost	FY 20	010	FY 2011 Base	FY 2011 OCO		FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Remarks										