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Exhibit R-2, RDT&E Budget Item 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 0604321A: ALL SOURCE ANALYSIS SYSTEM							
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	24.322	7.405	5.694	-	5.694	2.489	1.260	1.327	1.367	Continuing	Continuing
B41: CI/HUMINT Software Products (MIP)	14.227	0.102	1.319	-	1.319	1.225	1.260	1.327	1.367	Continuing	Continuing
B51: SEQUOYAH - FOREIGN LANGUAGE TRANSLATION SYSTEM	10.095	7.303	4.375	-	4.375	1.264	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The All Source Analysis System (ASAS) provided US Army commanders at all echelons from battalion to Army Service Component Command (ASCC) with automated support to the management and planning, processing and analysis, and dissemination of intelligence, counterintelligence, and electronic warfare. ASAS provided the means to enhance the commander's timely and comprehensive understanding of enemy deployments, capabilities, and potential courses of action. The system used standard joint and Army protocols and message formats to interface with selected National, joint, theater, and tactical intelligence, surveillance, and reconnaissance systems and preprocessors and Army, joint, and coalition battle command systems. The ASAS Family of Systems migrated into the Distributed Common Ground System-Army (DCGS-A) program and Army is using it as the initial platform to provide accelerated DCGS-A capabilities to the force.

The Counterintelligence and Human Intelligence Automated Reporting and Collection Systems (CHARCS), formerly known as Counterintelligence and Human Intelligence (CI/HUMINT) Information Management System (CHIMS), provides the Army automation support for collection and reporting of CI/HUMINT data to satisfy tactical human intelligence requirements. CHARCS functionality provides support for CI/HUMINT information collection, reporting, investigation, interrogation, biometrics, and document exploitation operations. The CHARCS architecture extends from the individual Tactical HUMINT team soldier or CI agent to Theater and National intelligence organizations. CHARCS provides systems to all Army Commands (ARCOM), Special Forces, Reserves, National Guard, Stryker Brigade Combat Teams (SBCT), and the training base. CHARCS systems produce and disseminate messages and reports through an array of communications systems including: combat Net Radio, Single Channel Ground and Airborne Radio System (SINCGARS), Portable Radio Communications(PRC)-150 Secure Telephone Equipment (STE), Secure Telephone Unit (STU), satellite, and other organic communications devices. The CHARCS systems reports collected intelligence directly to Operational Management Teams (OMT) of U.S. Army intelligence units. Future development efforts will provide CI agents and HUMINT collectors improved collection, reporting, biometrics, language, communications and mission management capabilities.

The Machine - Foreign Language Translation System (M-FLTS) program is to develop, acquire, field and sustain the warfighter with a basic automated foreign speech and text translation capability into Army systems of record, to augment and compliment limited human linguistic resources. These stand-alone and integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a lap-top or mobile device, and in a networked system. The software modules will translate English into a prioritized listing of languages in a prioritized collection of domains. M-FLTS will be interoperable with commercial off-the-shelf (COTS), or government-off-the-shelf (GOTS) automation equipment to include the Net Enabled Command Capability

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
2040: Research, Development, Test & Evaluation, Army		PE 0604321A: ALL SOURCE ANALYSIS SYSTEM			
BA 5: Development & Demonstration (SDD)					
(NECC), the Distributed Common Ground System (DCGS), Battle Command System (BCS), Soldier as a System (SaaS), Ground (GSS), Mounted (MSS) and Air-Soldier Systems (Air-SS), DoD Intelligence Information Systems (DoDIIS) and any associated devices and peripherals.					
B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	30.674	17.412	3.217	-	3.217
Current President's Budget	24.322	7.405	5.694	-	5.694
Total Adjustments	-6.352	-10.007	2.477	-	2.477
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	2.477	-	2.477
• Other Adjustments 1	-6.352	-10.007	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army								DATE: February 2012			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0604321A: <i>ALL SOURCE ANALYSIS SYSTEM</i>				PROJECT B41: <i>CI/HUMINT Software Products (MIP)</i>			
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
B41: <i>CI/HUMINT Software Products (MIP)</i>	14.227	0.102	1.319	-	1.319	1.225	1.260	1.327	1.367	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Counterintelligence (CI) and Human Intelligence (HUMINT) Automated Reporting and Collection System (CHARCS) is the Army's CI and HUMINT tactical collection and reporting system. CHARCS provides automation support for information collection, reporting, investigations, source & interrogation operations and document exploitation. The CHARCS automation architecture extends from the individual HUMINT team soldier or CI agent to the Division and Corps Analysis and Control Element (ACE). CHARCS reports digital data such as maps, overlays, images, video, biometrics, scanned documents and audio files. These media are transmitted through secure networks and interfaces with the Distributed Common Ground Systems-Army (DCGS-A) for detailed analysis and creation of finished intelligence products. Collection and reporting teams at Military Intelligence (MI) battalions and their operational managers are equipped with one of two CHARCS systems. The first is the AN/PYQ-8 Individual Tactical Reporting Tool (ITRT) which provides collection and processing devices for individual HUMINT team member or CI agents. The second is the AN/PYQ-3 CI/HUMINT Automated Tool Set (CHATS) which provides the team leader (who normally directs 3-5 team members) tools to process and manage team-collected information and a robust set of devices such as printers, scanners, cameras and audio recorders to assist the collection mission. The CHATS is also used by Operational Management Team (OMT) (who normally directs 5-10 collection and reporting teams). Each CHATS has an associated Mission Support Peripheral Sets and Kits (MS-PSK) or Collection Peripheral Sets and Kits (C-PSK), and each ITRT has an associated C-PSK.

The C-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions as an addition to the CHATS and ITRT. C-PSK capabilities are commercial-off-the-shelf (COTS) technologies and include video and camera equipment, global positioning system (GPS), voice recording device and infrared strobe lights. The MS-PSK provides specialized collection component capabilities to support CI/HUMINT collection missions as an addition to the AN/PYQ-3 (CHATS). MS-PSK capabilities are COTS technologies and include night vision photography & video, binocular, captured materiel tracking, Document & Media Exploitation (DOMEX), Digital Media Forensics software, Document Exploitation (DOCEX) software, and will interface with a handheld biometric capability for identification.

FY2013 Base amount of \$1.319 million will fund additional tests of the CHARCS V1.4 baseline software, software enhancements, CHARCS web-based capability, service packs, IAVA and DIA security updates and compliance.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: RDTE: Continue security and accreditation, enhancement and hardware integration testing of CHARCS software.	14.227	0.102	1.319	-	1.319
Articles:	0	0			

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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 0604321A: ALL SOURCE ANALYSIS SYSTEM			PROJECT B41: CI/HUMINT Software Products (MIP)					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Description: Funds software testing, development and maintenance, PMO support and systems testing.											
FY 2011 Accomplishments: Funded \$5681K Base continued development of improved collection and reporting software functionality, and 446K continued test and security accreditation efforts. OCO: \$8100K funded research and development of Document and Media Exploitation (DOMEX) tools.											
FY 2012 Plans: \$102K will fund additional tests of the CHARCS V1.4 baseline software, software enhancements, service packs, IAVA and DIA security updates and compliance.											
FY 2013 Base Plans: FY2013 Base amount of \$1.319 million will fund additional tests of the CHARCS V1.4 baseline software, software enhancements, CHARCS web-based capability, service packs, IAVA and DIA security updates and compliance.											
Accomplishments/Planned Programs Subtotals							14.227	0.102	1.319	-	1.319
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
• BK5275: CI HUMINT AUTO REPRTING AND COLL (CHARCS) (MIP)	54.751	3.493	7.077	6.516	13.593		7.392	7.604	7.782	Continuing	Continuing
D. Acquisition Strategy											
Program capability documentation is in the process of being updated to include Inc 2 requirements in CHARCS CPD Increment 1, Revision 1, which will support the movement of select capabilities into the revised capabilities document. PD CHARCS is a post-Milestone C program, scheduled to deliver software version v1.4 in 3Q FY 12. CHARCS software is the common software on two collection and reporting products: CI/HUMINT Automated Tool Set (CHATS) and Individual Tactical Reporting Tool (ITRT). CHARCS software requires development to keep pace with evolving capability requirements, DIA and IAVA compliance, and to meet JROC approved requirements documented in the CHARCS CPD Increment I, Revision 1. PD is continuously evaluating and assessing existing COTS, GOTS, and QRCs that support CHARCS CPD Inc 1, Revision 1.											
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.											

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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 0604321A: ALL SOURCE ANALYSIS SYSTEM				B41: CI/HUMINT Software Products (MIP)					
Management Services (\$ 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 - PD CHARCS Government Acquisition Mgmt - Direct Costs	Allot	ASPO/PD CHARCS:Alexandria, VA	3.790	-		-		-		-	0.000	3.790	0.000
Subtotal			3.790	-		-		-		-	0.000	3.790	0.000
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
CHARCS Software Development	MIPR	CECOM Software Engineering Center:Fort Huachuca, Arizona	14.988	-		1.219		-		1.219	Continuing	Continuing	Continuing
DOMEX Tools	MIPR	National Ground Intelligence Center:Charlottesville, VA	8.100	-		-		-		-	0.000	8.100	Continuing
Subtotal			23.088	-		1.219		-		1.219			
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
Acquisition and Engineering Services- Program Office Support	MIPR	CACI Technologies, Inc.:Chantilly, VA	0.857	-		-		-		-	Continuing	Continuing	0.000
Subtotal			0.857	-		-		-		-			0.000

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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
Test Support and Interoperability	MIPR	CTSF,:Ft. Hood, TX	0.612	-		-		-		-	Continuing	Continuing	0.000
Operational Test / Security Accreditation Testing / HW Integration Testing	MIPR	ATEC:Multiple	0.234	0.102		0.100		-		0.100	Continuing	Continuing	Continuing
Security Accreditation Collateral	MIPR	CECOM:Ft. Monmouth, NJ	0.381	-		-		-		-	Continuing	Continuing	0.000
Safety release	MIPR	CECOM:Ft. Monmouth, NJ	0.035	-		-		-		-	Continuing	Continuing	0.000
Subtotal			1.262	0.102		0.100		-		0.100			

	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	28.997	0.102		1.319		-		1.319			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: 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 0604321A: ALL SOURCE ANALYSIS
SYSTEM

PROJECT	
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B41: CI/HUMINT Software Products (MIP)

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604321A: <i>ALL SOURCE ANALYSIS SYSTEM</i>	PROJECT B41: <i>CI/HUMINT Software Products (MIP)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
V1.4 Government Acceptance Testing (GAT)	2	2012	2	2012
V1.4 ATEC Testing - Field Operating Agency (FOA)	2	2012	2	2012
CHARCS Interoperability Testing	4	2012	4	2012
V1.4 Operational Testing	4	2012	4	2012

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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
B51: SEQUOYAH - FOREIGN LANGUAGE TRANSLATION SYSTEM	10.095	7.303	4.375	-	4.375	1.264	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Machine Foreign Language Translation System (MFLTS), formerly Sequoyah, develops, fields, and sustains a basic automated foreign speech and text translation capability for Army tactical systems to augment and compliment limited human linguistic resources. These integrated automated translation capabilities will be applicable across three different system configurations; a hand-held/wearable portable device, a laptop/mobile device, and in a networked/web-enabled system. The software modules will translate English from a prioritized list of languages in a prioritized collection of domains (e.g. medical, intelligence, base security). MFLTS will be interoperable with Commercial Off-The-Shelf (COTS) or Government Off-The-Shelf (GOTS) automation equipment to include the Distributed Common Ground System-Army (DCGS-A), Nett Warrior (NW), and Counterintelligence Human Intelligence Automated Reporting and Collection System (CHARCS).

FY13 Base RDTE dollars in the amount of \$4.375 million will complete the Engineering and Manufacturing Development (EMD) and testing activities, providing deployable automated translation software.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Title: Product Development (PD)	8.616	6.024	2.308	-	2.308
Articles:	0	0			
Description: Development and integration of Critical Technology Elements (CTE) of Automated Speech Recognition (ASR), Optical Character Recognition (OCR), and Machine Language Translation Translation Engine (MLT TE) software					
FY 2011 Accomplishments: Continued development and integration of Critical Technology Elements (CTE) of Automated Speech Recognition (ASR), Optical Character Recognition (OCR), and Machine Language Translation Translation Engine (MLT TE) software					
FY 2012 Plans:					

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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 0604321A: ALL SOURCE ANALYSIS SYSTEM		PROJECT B51: SEQUOYAH - FOREIGN LANGUAGE TRANSLATION SYSTEM		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continuing development and integration of Critical Technology Elements (CTE) of Automated Speech Recognition (ASR), Optical Character Recognition (OCR), and Machine Language Translation Translation Engine (MLT TE) software FY 2013 Base Plans: Will continue development and integration of Critical Technology Elements (CTE) of Automated Speech Recognition (ASR), Optical Character Recognition (OCR), and Machine Language Translation Translation Engine (MLT TE) software						
Title: Test and Evaluation of MFLTS Capabilities Articles: Description: Testing of the automated language translation capabilities using established metrics, collected standard data sets, and standardized objective validation process FY 2012 Plans: Testing of the automated language translation capabilities using established metrics, collected standard data sets, and standardized objective validation process FY 2013 Base Plans: Will continue test of the automated language translation capabilities using established metrics, collected standard data sets, and standardized objective validation process		-	0.100 0	0.881	-	0.881
Title: Data Collection of Vocabulary and Test Sets Articles: Description: Development of the vocabulary collection and testing sets in the prioritized languages FY 2011 Accomplishments: Completion of the vocabulary collection and testing sets in the prioritized languages		0.308 0	-	-	-	-
Title: PD Support and Management Services Articles: Description: Program Support and Matrixed services at other Government activities FY 2011 Accomplishments:		1.171 0	1.179 0	1.186	-	1.186

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army				DATE: February 2012	
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Continued program support and matrixed services at other Government activities					
<i>FY 2012 Plans:</i> Continuing to provide program support and matrixed services at other Government activities					
<i>FY 2013 Base Plans:</i> Will continue to provide program support and matrixed services at other Government activities					
Accomplishments/Planned Programs Subtotals	10.095	7.303	4.375	-	4.375

C. Other Program Funding Summary (\$ in Millions)											
<u>Line Item</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013 Base</u>	<u>FY 2013 OCO</u>	<u>FY 2013 Total</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• B88605: <i>Machine Foreign Language Translation System - MFLTS</i>							6.900			0.000	13.943

D. Acquisition Strategy
The MFLTS acquisition strategy for the Technology Development (TD) Phase is to develop an open software architecture prototype using full and open competition that will allow the addition, upgrade and replacement of translation system components for integration into existing Programs. During the Engineering and Manufacturing Development (EMD) Phase, the program will integrate technology demonstrated during the TD Phase to meet Key Performance Parameters (KPPs). This includes the requirement to meet an Interagency Language Roundtable (ILR) level of 1 for three speech translation modules and an ILR level of 1+ for two text translation modules in hand-held/wearable portable, laptop/mobile, and networked/web-enabled system configurations.

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012		
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Management Services (\$ 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 Support	MIPR	Various:Ft. Belvoir, VA	1.171	1.108		1.186		-		1.186	0.000	3.465	0.000
Subtotal			1.171	1.108		1.186		-		1.186	0.000	3.465	0.000
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
Software Development Contract	MIPR	Raytheon BBN:Cambridge, MA	6.554	5.446		-		-		-	0.000	12.000	0.000
Engineering Development	MIPR	Various:Various	-	-		1.718		-		1.718	0.000	1.718	0.000
Subtotal			6.554	5.446		1.718		-		1.718	0.000	13.718	0.000
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
Engineering Support	MIPR	Various:Various	2.062	0.578		0.590		-		0.590	0.000	3.230	0.000
Subtotal			2.062	0.578		0.590		-		0.590	0.000	3.230	0.000
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
Test and Evaluation Activities	MIPR	USA Test and Eval Command:Alexandria, VA	-	0.171		0.881		-		0.881	0.000	1.052	0.000
Data Collection	MIPR	Army Research Laboratory:Adelphi, MD	0.308	-		-		-		-	0.000	0.308	0.000
Subtotal			0.308	0.171		0.881		-		0.881	0.000	1.360	0.000

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	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	10.095	7.303		4.375		-		4.375	0.000	21.773	0.000

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army			DATE: February 2012		
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	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
TD Phase Contract Awards																												
Preliminary Design Review (PDR)																												
Initial Capability - MS B																												
Initial Capability - EMD Phase																												
CDR																												
LUT																												
Initial Capability - MS C																												
Production Contract Award																												
Initial Capability - Limited Deployment (LD)																												
IOTE																												
IOC																												
Initial Capability - Full Rate Production (FRP)																												
Full Deployment Decision																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army			DATE: February 2012
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
TD Phase Contract Awards	4	2011	4	2011
Preliminary Design Review (PDR)	1	2013	1	2013
Initial Capability - MS B	2	2013	2	2013
Initial Capability - EMD Phase	2	2013	2	2014
CDR	3	2013	3	2013
LUT	4	2013	4	2013
Initial Capability - MS C	2	2014	2	2014
Production Contract Award	2	2014	2	2014
Initial Capability - Limited Deployment (LD)	2	2014	3	2014
IOTE	3	2014	4	2014
IOC	4	2014	4	2014
Initial Capability - Full Rate Production (FRP)	4	2014	3	2015
Full Deployment Decision	4	2014	4	2014