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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	48.995	33.835	32.319	-	32.319	37.709	34.617	34.541	35.118	-	-
720: Tech Info Func Actv	-	8.435	6.692	6.105	-	6.105	7.997	7.407	7.191	7.322	-	-
727: Tech Info Activities	-	14.639	10.337	8.578	-	8.578	13.565	10.857	11.219	11.247	-	-
730: Pers & Trng Analys Act	-	2.162	1.893	2.324	-	2.324	2.295	2.225	2.261	2.297	-	-
731: Army High Performance Computing Centers	-	6.965	5.232	5.231	-	5.231	4.047	4.744	4.560	4.662	-	-
733: Acquisition Tech Act	-	13.220	2.503	4.748	-	4.748	5.277	3.339	3.401	6.813	-	-
C16: FAST	-	2.305	1.368	1.442	-	1.442	1.978	1.796	1.663	1.692	-	-
C18: BAST	-	1.269	0.636	1.000	-	1.000	1.467	1.195	1.078	1.085	-	-
DW3: Army Geospatial Enterprise Implementation	-	-	5.174	2.891	-	2.891	1.083	3.054	3.168	-	-	-

The FY 2015 OCO Request will be submitted at a later date.

Note

FY15 reduction attributed to realignment to other higher priority Army programs.

A. Mission Description and Budget Item Justification

This program element (PE) supports upgrading the accuracy, timeliness, availability, and accessibility of scientific, technical, and management information at all levels of the Army Research and Development (R&D) community. Management of this information is critical to achieve the goals established by the Army's Senior Leadership. Use of accurate and timely technical information is essential to successfully meeting the milestones required on the path to the future force, allowing Army Science and Technology (S&T) leadership to refine investment strategy and quickly react to emerging opportunities and issues. This program includes initiatives to improve information derivation, storage, access, display, validation, transmission, distribution, and interpretation; to develop and enhance a single business model for Army S&T knowledge management information technology; to provide for Independent Review Team analysis of technology maturity as part of the Technology Area Readiness Assessment as required by DoDI 5000.2 dated May 12, 2003 as well as the Army Science Board (ASB) (projects 720 and 727). This program addresses the need to increase the competitiveness and availability of scientific, engineering, and technical skills in the DoD and National workforce through outreach programs aimed at middle school through college students and teachers. By providing direct working experience for these students in Army laboratories, the programs expose these students to the working world of science and engineering (project 729). The program includes funding for studies and analyses using behavioral science-based analytic tools to provide policy and decision makers with Soldier-oriented recommendations concerning manpower, personnel, and training issues (project 730). The program includes funding for support for Army high performance computing centers (project 731). The program includes funding for improvements to the Army's acquisition process (project 733). This program supports combatant commanders and major Army commands by providing science advisors to address scientific and technical

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army	Date: March 2014
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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army</i> / BA 6: <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>
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issues and by providing engineering teams to solve field Army technical problems (project C16). Finally, this program funds studies by the Board on Army Science and Technology (BAST) (project C18). Coordination of this program with the other Services is achieved through inter-service working groups.

The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy.

Work in this PE is performed by the Research, Development, and Engineering Command (RDECOM), Aberdeen Proving Ground, MD, the Army Research Institute (ARI) for the Behavioral and Social Sciences, Arlington, VA, the Army Corps of Engineers' Engineer Research and Development Center (ERDC), Vicksburg, MS, Medical Research and Materiel Command (MRMC), Ft. Detrick, MD, Space and Missile Defense Command (SMDC), Huntsville, AL, and the Information Management Office, Arlington, VA.

B. Program Change Summary (\$ in Millions)	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015 Base</u>	<u>FY 2015 OCO</u>	<u>FY 2015 Total</u>
Previous President's Budget	50.820	33.853	49.436	-	49.436
Current President's Budget	48.995	33.835	32.319	-	32.319
Total Adjustments	-1.825	-0.018	-17.117	-	-17.117
• Congressional General Reductions	-0.088	-0.018			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.182	-			
• Adjustments to Budget Years	-	-	-17.117	-	-17.117
• Other Adjustments	-0.555	-	-	-	-

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) 720 / Tech Info Func Actv			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
720: Tech Info Func Actv	-	8.435	6.692	6.105	-	6.105	7.997	7.407	7.191	7.322	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification This project provides funding for technology transfer activities to support acquisition, storage, and utilization of technical information for both military and domestic applications. Effective exploitation of science and technology (S&T) information is critical to achieving the goals established by senior Army leadership. Activities include Army support for Federal Laboratory Consortium (FLC) as required by Public Law; the Army Science Board; the Army Science Conference; S&T database management efforts; and administration of the Army's Small Business Innovation Research (SBIR) and Small Business Technology Transfer Program (STTR) in accordance with the Small Business Innovation Development Act of 1982, the Small Business Research and Development Enhancement Act of 1992 and subsequent reauthorizing legislation. Technology transfer activities make technical information available to both the public and private sectors to reduce duplication in Research and Development programs and to increase competitiveness in the US business community. Database management efforts support development of decision aids, databases, and automation support for the management and execution of the Army Research, Development, Test and Evaluation (RDTE) appropriation. In addition, this project provides funding for patent legal expenses and fees for all U.S. Army Research, Development, and Engineering Command (RDECOM) subordinate commands and laboratories, as required by the Omnibus Budget Reconciliation Act. The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy Work is performed by the U.S. Army Research Development and Engineering Command (RDECOM), Aberdeen Proving Ground, MD and the U.S. Army Research Laboratory (ARL), Adelphi, MD.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Provide Army Funding Support for Federal Laboratory Consortium as Required by Public Law 104-113									0.245	0.248	0.250	
Articles:									-	-	-	
Description: Funding is provided for the following effort.												
FY 2013 Accomplishments:												

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014		
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities	Project (Number/Name) 720 / Tech Info Func Actv		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Provided Army funding support for Federal Laboratory Consortium as required by Public Law 104-113. FY 2014 Plans: Provide Army funding support for Federal Laboratory Consortium as required by Public Law 104-113. FY 2015 Plans: Will provide Army funding support for Federal Laboratory Consortium as required by Public Law 104-113.				
Title: Provide Administrative and Contractual Support for the Army Science Board Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Provided administrative and contractual support for the Army Science Board. FY 2014 Plans: Provide administrative and contractual support for the Army Science Board. FY 2015 Plans: Will provide administrative and contractual support for the Army Science Board.		1.700 -	1.731 -	1.762 -
Title: Administrative Support for the Army's SBIR and STTR Programs Articles: Description: Army Small Business Innovation Research (SBIR) and Army Small Business Technology Transfer (STTR) programs. In 1982, Congress, through the Small Business Innovation Development Act (P.L. 97-219) established the SBIR program to foster the involvement of U.S. based small businesses in federal research and development (R&D). The SBIR program is designed to increase the participation of small, high-technology firms in the federal R&D endeavor and give driven businesses the opportunity to provide innovative R&D solutions in response to critical Army needs. The STTR program expands the public/private sector partnership to include the joint venture opportunities for small business and the nation's premier nonprofit research institutions. The most important role of the STTR program is to foster the innovation necessary to meet the nation's scientific and technological challenges in the 21st century. The SBIR/STTR support services include program and technical advisory support services on a broad level. The Army SBIR/STTR Program Management Office mission requires synergized, integrated business solutions that concentrates on small business technological advances, and eliminates redundancy in a codified and consistent method that reduces confusion and ambiguity for the thousands of small businesses that participate in the SBIR and STTR programs. FY 2013 Accomplishments:		1.260 -	0.910 -	1.040 -

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities	Project (Number/Name) 720 / Tech Info Func Actv		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Provided administrative support for the Army's SBIR and STTR programs. FY 2014 Plans: Provide administrative support for the Army's SBIR and STTR programs. FY 2015 Plans: Funding will provide the Army SBIR/STTR Program Offices with the resources necessary to execute these Congressionally mandated Programs. The Army SBIR/STTR Program Offices will procure program management and technical services required to fully support the programs. The support services will include a broad range of program and technical assistance services to include, but not limited to programming; database support; drafting of letter reports, newsletters, briefings, presentation materials and correspondence; analyses; documentation for record keeping and reporting; and portal virtual machines (VM) development and support. The services will assist the Program Offices in planning, coordinating, implementing, and orchestrating SBIR/STTR functions to include current and new approaches, processes and procedures as required by United States Code, Title 15, Section 638, Fiscal Year 2012 National Defense Authorization Act, Public Laws 112-81, and in Public Laws 97-219, 99-443, 102-564 and 106-554.				
Title: Provide Funding for Patent Fees and Patent Legal Expenses for U.S. Army Materiel Command (AMC) Commands and Laboratories Articles: Description: Funding is provided for the following effort FY 2013 Accomplishments: Provided funding for patent fees and patent legal expenses for AMC commands and laboratories. FY 2014 Plans: Provide funding for patent fees and patent legal expenses for AMC commands and laboratories. FY 2015 Plans: Will provide funding for patent fees and patent legal expenses for AMC commands and laboratories.		1.735 -	0.501 -	1.160 -
Title: Provide Funding for S&T Strategic Planning and Support Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments:		0.385 -	0.388 -	0.325 -

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) 720 / <i>Tech Info Func Actv</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Provided funding for S&T Strategic Planning and Support. FY 2014 Plans: Provide funding for S&T Strategic Planning and Support. FY 2015 Plans: Will provide funding for S&T Strategic Planning and Support.			
Title: Provide Funding for the Army Science Conference Articles: - Description: Funding is provided for the following effort. FY 2013 Accomplishments: Provided funding for the Army Science Conference. FY 2014 Plans: Provide funding for the Army Science Conference.		0.481 -	0.473 -
Title: Administer S&T Database Computer Engineering Support Contract and Support RDECOM Databases S&T Management Support Articles: - Description: Funding is provided for the following effort. FY 2013 Accomplishments: Administered S&T database computer engineering support contract and support RDECOM databases S&T management support. FY 2014 Plans: Administer S&T database computer engineering support contract and support RDECOM databases S&T management support. FY 2015 Plans: Will administer S&T database computer engineering support contract and support RDECOM databases S&T management support.		2.629 -	2.441 -
Accomplishments/Planned Programs Subtotals		8.435	6.692
C. Other Program Funding Summary (\$ in Millions)			
N/A			

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) 720 / <i>Tech Info Func Actv</i>
C. Other Program Funding Summary (\$ in Millions)		
Remarks		
D. Acquisition Strategy		
N/A		
E. Performance Metrics		
N/A		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) 727 / Tech Info Activities			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
727: Tech Info Activities	-	14.639	10.337	8.578	-	8.578	13.565	10.857	11.219	11.247	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
This project funds the development of decision aids, databases, and automation support for the management and execution of the Army Research, Development, Test, and Evaluation (RDTE) Appropriation. It includes the hardware, software, and contractor support required to develop and implement a set of management decision aids, databases, and hardware/software tools to support technical and budgetary decisions at the Office of the Secretary of Defense (OSD) and Department of the Army (DA). Most of the efforts in this project are on-going activities to support Army Research, Development, and Acquisition programs. Effective exploitation of S&T information is critical to achieving the goals established by Senior Army Leadership for the future force. Funding in this program supports Independent Review Team analysis of technology maturity as part of Technology Readiness Assessments as required by DoDI 5000.2 dated May 12, 2003.												
The cited work is consistent with the Assistant Secreatary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy.												
Work in this project is performed by the Office of the Assistant Secretary of the Army, Acquisition, Logistics and Technology, The Pentagon, Washington, DC.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Conduct and support S&T program portfolio assessments and analysis. Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Conducted and supported S&T program portfolio assessments and analysis. FY 2014 Plans: Conduct and support S&T program portfolio assessments and analysis. FY 2015 Plans: Will conduct and support S&T program portfolio assessments and analysis.									2.147	1.147	1.150	
									-	-	-	
Title: Support Army S&T strategic planning, analysis, and prioritization. Articles:									7.675	6.289	4.899	
									-	-	-	

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army			Date: March 2014		
Appropriation/Budget Activity 2040 / 6		R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities	Project (Number/Name) 727 / Tech Info Activities		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
Description: Funding is provided for the following effort.					
FY 2013 Accomplishments: Supported Army S&T strategic planning, analysis, and prioritization.					
FY 2014 Plans: Support Army S&T strategic planning, analysis, and prioritization.					
FY 2015 Plans: Will support Army S&T strategic planning, analysis, and prioritization.					
Title: Provide funding and support for Army Acquisition Program Technology Readiness Assessments for Program Milestone Decisions.			3.836	2.005	1.619
Articles:			-	-	-
Description: Funding is provided for the following effort.					
FY 2013 Accomplishments: Provided funding and support for Army Acquisition Program Technology Readiness Assessments for Program Milestone Decisions.					
FY 2014 Plans: Provide funding and support for Army Acquisition Program Technology Readiness Assessments for Program Milestone Decisions.					
FY 2015 Plans: Will provide funding and support for Army Acquisition Program Technology Readiness Assessments for Program Milestone Decisions.					
Title: Provide Army support to Assistant Secretary of Defense for Research and Engineering Executive Staff for DoD-wide Science and Technology oversight.			0.981	0.896	0.910
Articles:			-	-	-
Description: Funding is provided for the following effort.					
FY 2013 Accomplishments: Provided Army support to Assistant Secretary of Defense for Research and Engineering Executive Staff for DoD-wide Science and Technology oversight.					
FY 2014 Plans:					

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 6		R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>		Project (Number/Name) 727 / <i>Tech Info Activities</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014	FY 2015
Provide Army support to Assistant Secretary of Defense for Research and Engineering Executive Staff for DoD-wide Science and Technology oversight.				
FY 2015 Plans: Will provide Army support to Assistant Secretary of Defense for Research and Engineering Executive Staff for DoD-wide Science and Technology oversight.				
Accomplishments/Planned Programs Subtotals		14.639	10.337	8.578
C. Other Program Funding Summary (\$ in Millions) N/A				
Remarks				
D. Acquisition Strategy N/A				
E. Performance Metrics N/A				

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014														
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>				Project (Number/Name) 730 / <i>Pers & Trng Analys Act</i>															
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost												
730: <i>Pers & Trng Analys Act</i>	-	2.162	1.893	2.324	-	2.324	2.295	2.225	2.261	2.297	-	-												
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-														
# The FY 2015 OCO Request will be submitted at a later date. A. Mission Description and Budget Item Justification This project funds the Army's behavioral and social science research-based studies and analyses to address current and near term Soldier, training, and leader development issues. The research provides a unique capability to address a number of issues that directly or indirectly affect Soldier and unit performance and readiness, such as the effects of changes in training on individual and unit performance, the personnel costs of alternative programs and policies and the effects of program changes on retention of quality Soldiers. Requirements for these critical studies and analyses are solicited on an annual basis from the Chief of Staff of the Army (CSA), U.S. Army Training and Doctrine Command (TRADOC), the Assistant Secretary of the Army for Manpower and Reserve Affairs (ASA(M&RA)), the Army Deputy Chief of Staff(G-1), and the Human Resources Command (HRC). The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy Work in this project is managed by the US Army Research Institute (ARI) for the Behavioral and Social Sciences, Arlington, VA B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td align="center">FY 2013</td> <td align="center">FY 2014</td> <td align="center">FY 2015</td> </tr> <tr> <td>Title: PERS & TRNG ANALYS ACT</td> <td align="right">2.162</td> <td align="right">1.893</td> <td align="right">2.324</td> </tr> <tr> <td align="right">Articles:</td> <td align="center">-</td> <td align="center">-</td> <td align="center">-</td> </tr> </table> Description: Funding is provided for the following effort. FY 2013 Accomplishments: Conduct studies and analyses based on critical issues identified by the CSA, TRADOC, ASA(M&RA), the G-1, and the HRC. FY 2014 Plans: Studies and analyses will be conducted based on critical issues identified by the CSA, TRADOC, ASA(M&RA), the G-1, and the HRC. FY 2015 Plans:														FY 2013	FY 2014	FY 2015	Title: PERS & TRNG ANALYS ACT	2.162	1.893	2.324	Articles:	-	-	-
	FY 2013	FY 2014	FY 2015																					
Title: PERS & TRNG ANALYS ACT	2.162	1.893	2.324																					
Articles:	-	-	-																					

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) 730 / <i>Pers & Trng Analys Act</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Will conduct studies and analyses based on critical issues identified by the Secretary of the Army (SA)123456, Chief of Staff of the Army, U.S. Army Training and Doctrine Command (TRADOC), Assistant Secretary of the Army for Manpower and Reserve Affairs (ASA(M&RA)),and the Deputy Chief of Staff (DCS G-1).			
Accomplishments/Planned Programs Subtotals		2.162	1.893
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
N/A			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) 731 / Army High Performance Computing Centers			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
731: Army High Performance Computing Centers	-	6.965	5.232	5.231	-	5.231	4.047	4.744	4.560	4.662	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification This project provides funding for research, education, outreach, and sustainment of the Army High Performance Computing Centers at the U.S. Army Research Laboratory (ARL), the U.S. Army Tank and Automotive Research, Development, and Engineering Center (TARDEC), and the Army High Performance Computing Research Center (AHPCRC) consortium. The Army High Performance Computing Centers provide high fidelity modeling, simulation, and analysis of materials, systems, and operational constructs. The Centers work with researchers at Army laboratories and research, development, and engineering centers to explore new algorithms in the computational sciences to address critical technology issues in computational research areas. The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy. Work is performed by the U.S. Army Research Laboratory (ARL), Aberdeen Proving Ground, MD and the U.S. Army Tank and Automotive Research, Development, and Engineering Center (TARDEC), Warren, MI.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Sustain the High Performance Computing (HPC) Environment and Infrastructure in Support of the U.S. Army Research Laboratory (ARL) Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Sustained the HPC environment and infrastructure in support of the U.S. ARL. FY 2014 Plans: Develop software and software porting capability for new computing architectures; and maintain Army-specific applications to include data analysis support for petabytes of output, networking research and development (R&D), classified special access									3.855	3.471	2.916	
									-	-	-	

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
program (SAP) scientific visualization, software maintenance for Army specific SAP projects, and research computer systems to support ARL fundamental and applied research. FY 2015 Plans: Will develop software for emerging central processing unit graphics processing unit (CPU-GPU) based heterogeneous computing architectures; maintain scalable software tools for Army users; maintain and/or develop software to support large data analysis support for petabytes of output; investigate emerging networking paradigm's for HPC networking R&D, classified SAP scientific visualization, and software maintenance for Army-specific SAP projects; and research computer systems to support fundamental and applied HPC research at ARL.			
Title: Sustain the High Performance Computing (HPC) Environment and Infrastructure in Support of the U.S. Army Tank and Automotive Research Development and Engineering Center (TARDEC) Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Sustained the HPC environment and infrastructure in support of the U.S. Army TARDEC. FY 2014 Plans: Sustain the HPC environment and infrastructure in support of the US Army TARDEC. FY 2015 Plans: Will sustain the HPC environment and infrastructure in support of the US Army TARDEC.		1.963 -	1.761 -
Title: Sustain the High Performance Computing Environment and Infrastructure in Support of the Army High Performance Computing Research Center's (AHPCRC) Research, Education, and Outreach Activities Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Supported the AHPCRC research, computational sciences environment, education, and outreach activities.		1.147 -	- -
Accomplishments/Planned Programs Subtotals		6.965	5.232
C. Other Program Funding Summary (\$ in Millions)			
N/A			

UNCLASSIFIED

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C. Other Program Funding Summary (\$ in Millions)		
<u>Remarks</u>		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

UNCLASSIFIED

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) 733 / Acquisition Tech Act					
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost		
733: Acquisition Tech Act	-	13.220	2.503	4.748	-	4.748	5.277	3.339	3.401	6.813	-	-		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-				
# The FY 2015 OCO Request will be submitted at a later date.														
A. Mission Description and Budget Item Justification														
This project funds improvements to the Army's acquisition process by applying decision support and expert information systems, and by supporting analysis and evaluation of alternative acquisition strategies using techniques such as value-added analysis and analysis-of-alternatives. This project provides the environment for the analysis and evaluation of new information technologies, concepts, and applications for integrated management activities and support dynamic Army acquisition technology requirements. This program supports analysis efforts to conduct critical analyses for Army leadership in support of Army Transformation. These analyses are used by leadership in making acquisition, procurement, and logistics decisions in order to provide quality equipment and procedures to the Soldiers.														
The cited work is consistent with the Assistant Secreatary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy.														
Work in this project is performed by the Army Acquisition Support Center, Ft. Belvoir, VA.														
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015			
Title: ACQUISITION TECH ACT									7.589	2.503	4.748			
									Articles:			-	-	-
									Description: Distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language services to Army Acquisition Corps corporate and global databases. Analyze acquisition program financial programming and budgeting requirements. Continue development of Weapon Systems Handbook, long-range planning and policy analysis, resource allocation analysis, cost tracking, and analysis.					
FY 2013 Accomplishments:														
Distributed and beta tested application programs and user interface utilities for executive level information systems that offer Standard Query Language services to Army Acquisition Corps corporate and global databases; analyzed acquisition program financial programming and budgeting requirements; continued development of Weapon Systems Handbook, long-range planning and policy analysis, resource allocation analysis, cost tracking, and analysis.														
FY 2014 Plans:														
Distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language services to Army Acquisition Corps corporate and global databases; analyze acquisition program financial														

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) 733 / <i>Acquisition Tech Act</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
programming and budgeting requirements; continue development of Weapon Systems Handbook, long-range planning and policy analysis, resource allocation analysis, cost tracking, and analysis.			
FY 2015 Plans: Will distribute and beta test application programs and user interface utilities for executive level information systems that offer Standard Query Language services to Army Acquisition Corps corporate and global databases; will analyze acquisition program financial programming and budgeting requirements; will continue development of Weapon Systems Handbook, long-range planning and policy analysis, resource allocation analysis, cost tracking, and analysis.			
Title: Geospatial Acquisition Support Office (GASO).		5.631	-
Articles:		-	-
Description: These dollars will support the front end assessments of the PEO requirements to ensure that system's acquisition processes address geospatial concepts, technology and standards early in their development processes. Moreover, they are tasked to provide a geospatial baseline system of systems in theater, which is a near-term requirement that cannot be deferred. In FY14 these funds move to project DW3 in this Program Element.			
FY 2013 Accomplishments: Supported the front end assessments of the PEO requirements to ensure that system's acquisition processes address geospatial concepts, technology and standards early in their development processes and provide a geospatial baseline system of systems in theater, which was a near-term requirement that could not be deferred.			
Accomplishments/Planned Programs Subtotals		13.220	2.503
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			
E. Performance Metrics N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) C16 / FAST			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
C16: FAST	-	2.305	1.368	1.442	-	1.442	1.978	1.796	1.663	1.692	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
This project provides support for the Field Assistance in Science and Technology (FAST) program. The FAST program provides Science advisers, recruited from Army Materiel Command (AMC) headquarters and all AMC Major Subordinate Commands (MSC) to serve combatant commands and major commands worldwide. FAST tours of duty provide significant professional growth opportunities for the Army's scientists and engineers and enable them to focus AMC resources on rapidly identifying and solving field technical problems that enable the improvement of readiness, safety, training, and reduce operations and support (O&S) costs. The FAST activity is supported by Quick Reaction Coordinators within the engineering centers. The FAST program recoups many times its cost in O&S savings. FAST also provides emerging technology demonstration opportunities to the engineering centers and executes a biannual Technology Applications Conference (TAC) on a rotating basis between Forces Command, US Army Europe, US Forces Korea/Eighth Army assists COCOMS with their annual Science and Technology Conferences. FAST also maintains close coordination with the Navy Science Advisor Program (Naval Fleet Forces Technology Integration Office).FAST supports warfighters in OEF with embedded Science and Technology Assistance Teams (STATs) as well as Science and Technology Acquisition Corps Advisors (STACAs).												
The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy.												
Work in this project is performed by the US Army Materiel Command (AMC), Ft. Belvoir, VAResearch, Development and Engineering Command (RDECOM), Aberdeen Proving Ground, MD.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Respond to combatant commanders worldwide with technological solutions. Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Responded to combatant commanders worldwide with technological solutions to urgent materiel problems they identify; deployed science advisors with US Task Forces in support of combatant commanders; executed biannual Technology Applications Conference. FY 2014 Plans:									2.305	1.368	1.442	
									-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) C16 / <i>FAST</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Respond to combatant commanders worldwide with technological solutions to urgent materiel problems they identify; deploy science advisors with US Task Forces in support of combatant commanders; execute biannual Technology Applications Conference.			
FY 2015 Plans: Will respond to combatant commanders worldwide with technological solutions to urgent materiel problems they identify; will deploy science advisors with US Task Forces in support of combatant commanders; will execute biannual Technology Applications Conference.			
Accomplishments/Planned Programs Subtotals		2.305	1.368
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			
E. Performance Metrics N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>				Project (Number/Name) C18 / BAST			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
C18: BAST	-	1.269	0.636	1.000	-	1.000	1.467	1.195	1.078	1.085	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification This project funds the Board on Army Science and Technology (BAST). The BAST functions under the auspices of the National Research Council (NRC) an organization within the National Academies of Sciences and provides an external, independent, and objective source of advice to the Army. The BAST serves as a convening authority for the discussion of science and technology issues of importance to the Army and oversees independent Army-related studies conducted by the National Academies. Working in close coordination with the Army, the BAST helps define problems, brings together experts to study these problems, and provides recommendations. Committees are assembled in accordance with established NRC procedures and BAST studies often take 12 months or more to conclude. The cited work is consistent with the Assistant Secretary of Defense for Research and Engineering science and technology priority focus areas and the Army Modernization Strategy. Work in this project is executed extramurally by the U.S. Army Research Laboratory, Army Research Office (ARO), Research Triangle Park, NC.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Provide Studies and Conduct Periodic Meetings to Help Identify, Assess, and Recommend Emerging Opportunities in Science and Technology (S&T) Fields Applicable to the U.S. Army Articles: Description: Funding is provided for the following effort. FY 2013 Accomplishments: Studied emerging topics based on Army S&T strategy and senior leader initiatives. FY 2014 Plans: Study emerging topics based on Army S&T strategy and senior leader initiatives. FY 2015 Plans:									1.269	0.636	1.000	
									-	-	-	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014	
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) C18 / <i>BAST</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
Will study emerging topics based on Army S&T strategy and senior leader initiatives.			
Accomplishments/Planned Programs Subtotals		1.269	0.636
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605803A / Technical Information Activities				Project (Number/Name) DW3 / Army Geospatial Enterprise Implementation			
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
DW3: Army Geospatial Enterprise Implementation	-	-	5.174	2.891	-	2.891	1.083	3.054	3.168	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
Support the development of Army geospatial enterprise architecture, geospatial standards and related technologies and provide engineering support to Army Acquisition Programs to enable and align with geospatial enterprise architecture, standards and prescribe technology in their development processes. The end outcome is to enable a baseline Army geospatial enterprise composed of core Army Programs that manage and disseminate geospatial data and provide geospatial services in support of Mission Command. Ensures Army has a Standard, Sharable, Geospatial Foundation and can exchange geospatial data across Mission Command Systems and with National System for Geospatial-Intelligence (NSG) partners as required by DoDI 5000.56. Previously funded in project 733 in this PE.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Geospatial Acquisition Support Office									-	5.174	2.891	
									Articles: -	-	-	
Description: This effort supports the systems engineering, architecture, and test and certification of Army Acquisition Systems to support PEO/PM Computing Environment geospatial requirements to ensure that system's acquisition processes address geospatial concepts, technology and standards early in their development processes and provide an interoperable geospatial baseline system of systems in theater, which is a near-term requirement that cannot be deferred.												
									FY 2014 Plans:			
									Develop front end assessments of the PEO requirements to ensure that system's acquisition processes address geospatial concepts, technology and standards early in their development processes and provide a geospatial baseline system of systems in theater, which is a near-term requirement that cannot be deferred.			
FY 2015 Plans:												
									Will extend Army Geospatial Enterprise (AGE) implementation within the Common Operating Environment (COE); will develop and publish data model ensuring integration between US Marine Corp and Army and aligning with updated National System for Geospatial Intelligence (NSG) standards; will identify geospatial end state for "Good Enough" drill, will provide experimentation and pilot support including geospatial expertise to Common Operating Environment pilot project; will develop, with industry, a geospatial data standard for mobile handheld devices.			
Accomplishments/Planned Programs Subtotals									-	5.174	2.891	

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Army		Date: March 2014
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605803A / <i>Technical Information Activities</i>	Project (Number/Name) DW3 / <i>Army Geospatial Enterprise Implementation</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		