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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army **DATE:** April 2013

APPROPRIATION/BUDGET ACTIVITY					R-1 ITEM NOMENCLATURE							
2040: <i>Research, Development, Test & Evaluation, Army</i> BA 6: <i>RDT&E Management Support</i>					PE 0605326A: <i>Concepts Experimentation Program</i>							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	27.923	27.902	37.158	-	37.158	53.324	67.112	83.484	85.283	Continuing	Continuing
312: <i>Army/Joint Experimentation</i>	-	8.869	8.330	5.794	-	5.794	2.889	0.516	0.525	0.534	Continuing	Continuing
317: <i>Current Force Capability Gaps</i>	-	17.200	17.677	29.489	-	29.489	48.570	64.720	81.156	82.949	Continuing	Continuing
33B: <i>Soldier-Centered Analyses For Future Force</i>	-	1.854	1.895	1.875	-	1.875	1.865	1.876	1.803	1.800	Continuing	Continuing

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

Provide Contractor Year Equivalent (CME) support to TRADOC Capability Development and Integration Directorates (CDIDs) across TRADOC to develop and integrate the capabilities for which ASA(ALT) community is developing and fielding materiel solutions. FY14 is the first year of incremental funding until 100% of the requirement is funded in FY 2017 and beyond.

A. Mission Description and Budget Item Justification

Army Experimentation mission enables integrated examinations with US Joint Forces Command (USJFCOM), Army Test and Evaluation Command (ATEC), Research, Development and Experimentation Command (RDECOM), Army battle laboratories, operational units, research labs materiel developers, industry and academia to collaborate in the development, refinement, and assessment of future force concepts. The intended outcome of this integrative effort is to develop concept capability plans that inform the Capabilities Integration Development System (CIDS) process and define future requirements, enabling identification and acquisition of critical Doctrine, Organization, Training, Materiel, Leader Development, Personnel and Facilities (DOTMLPF) capabilities for the future force to provide land power capabilities needed by Joint and Army commanders. In FY 2012-2018, Research, Development, Test and Evaluation (RDT&E) funding specifically enables the World Class Blue Force (subject matter experts overseeing and coordinating experiments efforts from Army Capabilities Integration Center (ARCIC) proper in collaboration with the Schools and Centers), support for Red Cell analysis, and support to Maneuver Brigade Experiments. Experimentation enables enhanced situational awareness, planning requirements, employment and management of accelerated decision cycles in a network-enabled force, and training requirements of new and emerging technologies.

ARCIC, Accelerated Capabilities Division (ACD) (formerly Asymmetric Warfare Division) develops immediate capability solutions in support of the Chief of Staff of the Army (CSA) prioritized Current Force capability gaps (i.e. Force Protection, Networked Battle Command, Logistics and Medical in Counterinsurgency Operations (COIN) and Soldier Protection). ACD conducts Concept of Operations (CONOPS) and DOTMLPF analysis required to ensure capability gap candidate solutions are properly integrated prior to being equipped to deployed forces. Supports pre-deployment and in-theater assessments to ensure candidate solution meet identified requirements, support tactics, techniques and procedures development for use by deployed forces, and ensure equipped systems provide the necessary capability to fill an identified gap. These assessments support determination of a path forward for equipped system by identifying them as a potential Program of Record (POR) or

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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 ITEM NOMENCLATURE PE 0605326A: <i>Concepts Experimentation Program</i>
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sustain in theater. CONOPS, DOTMLPF-Cost analysis and assessment assist deployed forces by ensuring they are able to properly employ equipped systems and assist senior Army leadership in determining how best to resource solution to high priority capability gaps.

B. Program Change Summary (\$ in Millions)	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014 Base</u>	<u>FY 2014 OCO</u>	<u>FY 2014 Total</u>
Previous President's Budget	28.755	27.902	24.458	-	24.458
Current President's Budget	27.923	27.902	37.158	-	37.158
Total Adjustments	-0.832	0.000	12.700	-	12.700
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.832	-			
• Adjustments to Budget Years	-	-	12.700	-	12.700

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605326A: Concepts Experimentation Program				PROJECT 312: Army/Joint Experimentation			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
312: Army/Joint Experimentation	-	8.869	8.330	5.794	-	5.794	2.889	0.516	0.525	0.534	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note												
Not applicable for this item.												
A. Mission Description and Budget Item Justification												
Army Experimentation is the conduct of experiments involving Soldiers and Leaders within live, virtual, and contructive environments of exploring concepts, capability requirements and solutions across Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) domains in order to learn and mitigate risk for current and future forces. Experiments inform Army future concepts and assess high-risk conceptual assumptions in order to focus required capabilities and represent the user's requirements in the future Army. TRADOC's partnership with ASA(ALT) in connecting Soldiers to the ideas and capabilities earlier rather than later, provides essential user feedback and assists the acquisition community with informing the Army's investment portfolio and decreasing the number of engineering design changes. Army experiments use the combined resources of Army battle laboratories, operational units, research labs, materiel developers, industry and academia to collaborate in the development, refinements, and assessment of future force concepts - to inform capability developments and validate concepts for current and future force. In FY12-18, Research, Development, Test and Evaluation (RDT&E) funding enables World Class Blue Force (WCBLUFOR) to provide technical and tactical expertise in Army experiment efforts, in collaboration and integration with Joint, Interagency, Intergovernmental, and Multinational partners. In the near-term, Army experimentation will focus on Prevent, Shape, and Win as foundational elements for this campaign, assessed across all joint campaign phases, with Army level issues across the breadth of a champaign that highlights integration of Army 2020 initiatives.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Experimentation - World Class Blue Force Analysts									3.524	3.524	3.400	
									0	0		
Description: Experimentation with future concepts requires commanders who understand those concepts, but military personnel are generally proficient in current doctrine, not future Army concepts. The WCBLUFOR bridge this gap with experienced commanders who are versed in future Army concepts. These subject matter experts provide technical and tactical expertise, play senior blue roles in experiments, develop orders, train and mentor staff, and provide analytic expertise. Requisite skill sets that are not available on our TDAs.												
FY 2012 Accomplishments:												

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
WCBLUFOR assisted and mentored planning, execution and evaluation of experiments supporting Army capstone, operational and functional concepts to provide credible incorporation of concepts into experiments. WCBLUFOR also support analysis and coordination for the Army's Campaign of Learning - both what we had learned and what remained to be learned. FY 2013 Plans: WCBLUFOR assist and mentor planning, execution and evaluation of experiments supporting Army capstone, operational and functional concepts to provide credible incorporation of concepts into experiments. WCBLUFOR also support analysis and coordination for the Army's Campaign of Learning - both what we have learned and what remains to be learned. FY 2014 Plans: WCBLUFOR will assist and will mentor planning, execution and evaluation of experiments supporting Army capstone, operational and functional concepts to provide credible incorporation of concepts into experiments. WCBLUFOR also will support analysis and coordination for the Army's Campaign of Learning - both what we have learned and what remains to be learned.				
Title: Experimentation - Maneuver Brigade Experiments Articles: Description: Perform maneuver brigade experiments that will address 1) integration of Army in 2020 initiatives; 2) development of future Infantry Bridgade Combat Team (IBCT), Stryker Bridgade Combat Team (SBCT), and Airborne Brigade Comabt Team (ABCT) capability Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF) requirements and DOTMLPF solutions; and 3) acceleration and integration of capabilities for current force Brigade Combat Teams (BCTs). FY 2012 Accomplishments: Conducted experiments to address learning demands supporting assigned Army Warfighting Challenges (AWFC). Results informed the Integrated Learning Plan for each AWFC; specifically supporting concepts and Formation Based Analysis. FY 2014 Plans: Will conduct experiments to address learning demands supporting assigned Army Warfighting Challenges (AWFC). Results will inform the Integrated Learning Plan for each AWFC; specifically supporting concepts and Formation Based Analysis.		5.345 0	0.000	1.200
Title: Experimentation - High-Fidelity Live-Virtual-Constructive Experiments Articles: Description: Experiments address concept and capability developments including integration of capabilities for all BCT types; development of future Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel and Facilities (DOTMLPF) requirements and solutions; and acceleration and integration of capabilities for current force Brigade Combat Teams (BCTs) and above brigade.		0.000	4.806 0	1.194

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
<i>FY 2013 Plans:</i> Experiments continue to address learning demands supporting critical Army Warfighting Challenges (AWFC); capstone, operational and concepts; and Formation Based Analysis. Experiments support learning in order to mitigate risk to Soldiers and developments providing tangible insurance against acquisition failure as well as a means to win the first battle of the next war.			
<i>FY 2014 Plans:</i> Experiments will continue to address learning demands supporting critical Army Warfighting Challenges (AWFC); capstone, operational and concepts; and Formation Based Analysis. Experiments will support learning in order to mitigate risk to Soldiers and developments providing tangible insurance against acquisition failure as well as a means to win the first battle of the next war.			
Accomplishments/Planned Programs Subtotals		8.869	8.330
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
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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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605326A: Concepts Experimentation Program				PROJECT 317: Current Force Capability Gaps			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
317: Current Force Capability Gaps	-	17.200	17.677	29.489	-	29.489	48.570	64.720	81.156	82.949	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
Note Not applicable for this item.												
A. Mission Description and Budget Item Justification Training and Doctrine Command (TRADOC) lead for Accelerated Capability Developments (ACD) to address current critical operational needs. Enable development and deployment/employment of accelerated capabilities (both materiel and non-materiel) to the current force. Serve as TRADOC central coordinating organization for Headquarters Department of the Army (HQDA) staff support requirements related to accelerated capabilities developments. Integrate ACD activities to ensure unity and priority of effort and synchronization and optimization of resources. Integrate accelerated capabilities development activities between proponent force modernization domains to include Joint/Service coordination.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Counter Improvised Explosive Device Adapt the Force (AtF) (formerly Improvised Explosive Device (IED) Integrated Concept Development Team (ICDT)) Articles: Description: The IED ICDT is responsible for conducting Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) assessments; performs gap analyses identified by HQDA and Joint Urgent Operational Needs Statement (JUONS). FY 2012 Accomplishments: Lead the Adapt the Force efforts under Army Counter-IED (CIED) Strategy supporting development and maintenance of AtF CIED database and resolution of DOTMLPF issues associated with integration of various CIED initiatives. Was responsible for coordination and facilitating IED-Defeat Council of Colonels and General Officer Steering Committees producing guidance and directives for Army-wide IED-Defeat Training initiatives and systems. Supported TRADOC CoEs with CIED SMEs and products for all CIED Lines of Effort (DtD, ATN, Robotics). FY 2013 Plans:									3.072	3.447	0.800	
									0	0		

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
Leads the Adapt the Force efforts under Army Counter-IED (CIED) Strategy supporting development and maintenance of AtF CIED database and resolution of DOTMLPF issues associated with integration of various CIED initiatives. Is responsible for coordination and faciliating IED-Defeat Council of Colonels and General Officer Steering Committees producing guidance and directives for Army-wide IED-Defeat Training initiative and systems. Supports TRADOC CoEs with CIED SMEs and products for all CIED Lines of Effort. FY 2014 Plans: Will lead the Adapt the Force efforts under Army Counter-IED (CIED) Strategy supporting development and maintenance of AtF CIED database and resolution of DOTMLPF issues associated with integration of various CIED initiatives. Will be responsible for coordination and facilitating IED-Defeat Council of Colonels and General Officer Steering Committees producing guidance and directives for Army-wide IED-Defeat Training initiative and systems. Will support TRADOC CoEs with CIED SMEs and products for all CIED Lines of Effort.				
Title: Demo/Assess Command and Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR)- Joint Integration and Non-Lethal Fires Articles: Description: Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, and Reconnaissance (C5ISR) Operation Needs Statement (ONS) (classified) is a compliation of C5ISR capabilities that eliminate critical capability performance gaps in Operation Enduring Freedom (OEF). Phase 1 improvements include higher level network security and increased network bandwidth down to battalion level, network modem upgrades, increased biometrics and support, aerial layer network extension, network extension to mobile user (hand held), and full motion video. FY 2012 Accomplishments: C5ISR ONS (classified) was a compliance of C5ISR capabilities that eliminated critical capability performance gaps in OEF. Phase 1 improvements included higher level network security and increased network bandwidth down to battalion level, network modem upgrades, increased biometrics and support, aerial layer network extension, network extension to mobile user (hand held), and full motion video.		2.400 0	0.000	0.000
Title: Aerial Sensor Portfolio Articles: Description: Funding is needed to support the Aerial Sensor Portolio. FY 2012 Accomplishments: Aerial Sensor Portfolio (excluding Task Force Observe, Detect, Indentify, and Neutralize - TF ODIN systems) supported the accelerated developments of directed, ONS-based, quick reaction aerial sensor capabilities (Desert Owl I and II, Radiant Falcon,		3.300 0	0.280 0	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Copperhead II, Black Kite). Supported improved Aerial Intelligence, Surveillance, and Reconnaissance (ISR) Information System processing. Consisted of aerial sensor and command control systems organized to defeat assigned threats in current operational environments by integrating collection and analysis of intelligence data, shorten sensor to responder timelines, and facilitate planning, sensor cueing, data collection, and communications.			
FY 2013 Plans: Aerial Sensor Portfolio (excluding Task Force Observe, Detect, Identify, and Neutralize - TF ODIN systems) supports the accelerated developments of directed, ONS-based, quick reaction aerial sensor capabilities (Desert Owl I and II, Radiant Falcon, Copperhead II, Black Kite). Supports improved Aerial Intelligence, Surveillance, and Reconnaissance (ISR) Information System processing. Consists of aerial sensor and command control systems organized to defeat assigned threats in current operational environments by integrating collection and analysis of intelligence data, shorten sensor to responder timelines, and facilitate planning, sensor cueing, data collection, and communications.			
Title: Communications and Networks Portfolio		2.693	0.535
Articles:		0	0
Description: Funding is needed for Communications and Networks Portfolio.			0.000
FY 2012 Accomplishments: Communications and Network Portfolio capabilities included Intelligence, Surveillance, and Reconnaissance (ISR) Net, Trojan Swarm, Heterogeneous Aerial Reconnaissance Team (HART), Enroute Mission Planning and Rehearsal System (EMPRS), Army Cellular Capability Development and Connecting Soldiers to Digital Applications (CSDA). Task supported development, deployment, and assessment of communications and networking of these and other directed systems provided the Warfighter a network connectivity with mission command applications. Network provided single user interface, including aerial tier, capable of assessing all required data applications, and service via the common operating environment. Network supported distributed and small unit operations beyond line-of-sight with focus on Company and below Brigade and Battalion mission command on-the-move capabilities. Additionally network reduced dependence on satellite communications when connectivity was lost.			
FY 2013 Plans: Communications and Network Portfolio capabilities include Intelligence, Surveillance, and Reconnaissance (ISR) Net, Trojan Swarm, Heterogeneous Aerial Reconnaissance Team (HART), Enroute Mission Planning and Rehearsal System (EMPRS), Army Cellular Capability Development and Connecting Soldiers to Digital Applications (CSDA). Task is to support development, deployment, and assessment of communications and networking of these and other directed systems to provide the Warfighter a network connectivity with mission command applications. Network provides single user interface, including aerial tier, capable of assessing all required data applications, and service via the common operating environment. Network supports distributed and			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
small unit operations beyond line-of-sight with focus on Company and below Brigade and Battalion mission command on-the-move capabilities. Additionally network reduces dependence on satellite communications when connectivity is lost.				
Title: Operational Energy (formerly Demo/Assess Operational Power and Energy) Description: Funding is needed for Operational Power and Energy FY 2012 Accomplishments: TRADOC Accelerated Capability Developments supported TRADOC Power and Energy staff management and integration responsibilities. Supported proponents with their responsibilities relative to doctrine, organization, training, material, leader development and education, personnel, and facilities plus related matters. Leveraged Proponent input to Joint Capabilities Integration and Development System, Science and Technology, Concept Development, Capability Development for Rapid Transition, and Capability Gap Analysis Army. FY 2013 Plans: TRADOC Accelerated Capability Developments supports TRADOC Power and Energy staff management and integration responsibilities. Supports proponents with their responsibilities relative to doctrine, organization, training, material, leader development and education, personnel, and facilities plus related matters. Leverages Proponent input to Joint Capabilities Integration and Development System, Science and Technology, Concept Development, Capability Development for Rapid Transition, and Capability Gap Analysis Army. FY 2014 Plans: Will continue acceleration of Operational Energy initiative for remote Combat Outposts and Soldier Power initiatives. Operational Energy will provide the warfighter with increased levels of agility, flexibility, and interoperability when operating in the expeditionary environment. Operational energy solutions will approach extend combat and tactical systems' mission endurance and resilience, ensure uninterrupted and optimal energy to systems within the mission command network, and mitigate force risk by reducing energy demand. Phase two of multi-phased approached will support development of integrated operational energy solutions will require a system-of-systems engineering approach. This approach will ensure that designs identify and address effects on the force when delivering solutions provide necessary employment guidance and assess impacts on operational effectiveness.		Articles: 2.250 0	1.846 0	3.000
Title: Integrated Protection Initiative (IPI) Description: Funds are needed for Integrated Protection Initiative. FY 2012 Accomplishments:		Articles: 3.485 0	2.468 0	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
TRADOC Accelerated Capability Developments initiative provided integration and assessment support across DOTMLPF domains to equip, train, and deploy capability support for OEF problem of isolated maneuver elements at Command Outposts (COPs)/ Forward Operating Bases (FOBs) which had difficulty locating ground targets and lack timely response to engage these targets in organic, lethal, effects while minimizing collateral damage and exposure of Soldiers to unnecessary risk. FY 2013 Plans: TRADOC Accelerated Capability Developments initiative provides integration and assessment support across DOTMLPF domains to equip, train, and deploy capability support for OEF problem of isolated maneuver elements at Command Outposts (COPs)/ Forward Operating Bases (FOBs) which have difficulty locating ground targets and lack timely response to engage these targets in organic, lethal, effects while minimizing collateral damage and exposure of Soldiers to unnecessary risk.				
Title: Army Expeditionary Warrior Experiment (formerly Prototype Solution Demonstrations) Articles: Description: Army Expeditionary Warrior Experiment (AEWE) addresses live, prototype experimentation requirements. FY 2013 Plans: AEWE addresses live, prototype experimentation requirements with a primary focus on the Soldier and Small Unit, examining concepts and capabilities for the current and future force. AEWE provides Capability Developers, the S&T community and industry a repeatable, credible, rigorous, and validated operational experiment venue to support DOTMLPF concepts and materiel development efforts. FY13 focusses on Spiral H and J support. FY 2014 Plans: This campaign of experiments will be critical at the Maneuver Center as we conduct research, development, and experimentation to ensure our future Maneuver Force is prepared and equipped to fight and win in a complex operating environment. Through doctrine development, leveraging emerging technology and partnering with industry, the Maneuver Center in an advocate for the Maneuver Force. FY14 campaign of experiments, Spiral I, will be focused on technologies to support five primary study areas: Cellular Communications, Robotics, Solider Load and Protection, Power Solutions and Resupply.		0.000	1.200 0	0.760
Title: Capability Packages (CP) Articles: Description: Capability Packages are a key element of the Army's transition to a brigade combat team (BCT) modernization strategy. FY 2013 Plans: Capability Packages are the key element of the Army's transition to a brigade combat team (BCT) modernization strategy to build a versatile mix of mobile, networked and combat effective BCTs. Following the Defense Secretary's guidance to accelerate		0.000	0.800 0	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
proven solutions, these packages upgrade our units every few years so the best capabilities available at that time go to the Soldiers who need them most, based on the continually evolving combat environment. These bundles of capabilities include doctrine, organization, and training in conjunction with materiel to fill the highest priority shortfalls and mitigate risk for Soldiers. The incremental deliveries are build upon one another as the Army continually adapts and modernizes.				
Title: Robotics Description: Testing and demonstration of increased unmanned ground vehicle capabilities. FY 2013 Plans: Tests and demonstrates increasingly capable unmanned ground vehicles in four separate categories (soldier transportable, self transportable, vehicle transportable, and applique) through venues such as the Robotics Rodeo, Mounted Maneuver Battle Lab (MMBL), and Brigade Modernization Command (BMC) events. Successful robotic systems is considered for in theater usage and DOTMLPF assessments for transition decisions. FY 2014 Plans: Will support the Army robotics Campaign Plan development, and resolution of DOTMLPF issues associated with integration of various Robotics initiatives. Will be responsible for participation as member of Joint Ground Robotics Integration Team meetings and in producing guidance and directives for Army-wide Robotic SMEs and products for applicable initiative being resourced and assessed. Will include initiatives directly related to robotics such as operational control units (OCUs) like Tactical Robotic Controller and systems linked to the controllers.		0.000	1.325 0	2.650
Title: Tunnel Detection (TD) Description: Test and demonstration of sensor technology. FY 2013 Plans: Test and demonstrate a suite of sensor technology systems capable of detecting, exploiting, and remediating, clandestine purpose-built tunnels.		0.000	1.175 0	0.000
Title: Exploitation Description: Document and Media Exploitation (DOMEX) is the collection and exploitation of captured equipment, documents, and media.		0.000	1.400 0	0.000

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013	FY 2014
FY 2013 Plans: Document and Media Exploitation (DOMEX) Tactical, operational, and strategic leaders are enabled with accurate information about enemy forces through the rapid and accurate extraction, exploitation, and analysis of captured enemy documents, media, and materiel. Tactically, DOMEX is the collection and exploitation of captured equipment, documents, and media to generate actionable intelligence. The DOMEX is a critical part of target exploitation, especially as it relates to actions on the objective during site exploitation activities. Efforts in exploitation also support Special Operations Command (SOCOM) with DOTMLPF assessments of classified solutions supporting technical reconnaissance, and information operations associated with exploitation.				
Title: Non Standard Training Gap Initiative (formerly Non-Standard Capability Training Gaps) Articles: Description: Training for accelerated capabilities is accomplished primarily through mandated New Equipment Training (NET) with no process for follow on efforts. This incongruity is detrimental to effective and consistent training for the force. FY 2013 Plans: The Army has not established an approved mechanism to train non-standard equipment within operational formations or CoEs. This deficiency compels training independent of evaluated/verifiable methods. There is minimal assistance in the development of Training Support Packages (TSP) and varying levels of oversight to validate if the maximum benefit of the training and capability has been attained. This incongruity is detrimental to effective and consistent training for the force. Training for accelerated capabilities is accomplished primary through mandated New Equipment Training (NET) with no process for follow on efforts. Supports TRADOC CoEs in development of Pilot Training Programs to establish process for the integration on non-standard capability training. FY 2014 Plans: Will lead the Non Standard Equipment (NSE) training process initiative supporting the development, execution, evaluation, and maintenance of the 2nd pilot program to develop a standardized and effective NSE training process for deployed units. ARCIC Accelerated Capabilities Division (ACD) will be responsible for facilitating and coordinating stakeholders in the execution, evaluation, and maintenance of Pilot Program 2 on the NSE training process.		0.000	3.201 0	3.137
Title: Tower Hawk Description: Provides support to development, integration, and equipping of solutions to the field for integrated base defense while providing long range pinpoint offensive action. FY 2014 Plans:		0.000	0.000	2.500

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Will provide support to development, integration, and equipping of solutions to the field for integrated base defense while providing long range pinpoint offensive action against insurgents identified in hostile acts. ACD will provide the integration efforts across DOTMLPF as part of coordination and facilitation efforts between Project Offices, TRADOC CoEs, and test agencies.			FY 2014
Title: Small Unit Leader Situational Awareness Tool (SULSAT) Description: Supports the Army Robotics Campaign Plan initiatives by addressing DOTMLPF issues associated with integration of emerging Robotics initiatives. FY 2014 Plans: Will provide support to the Army Robotics Campaign Plan initiatives by addressing DOTMLPF issues associated with integration of emerging Robotics initiatives such as Small Unit Leader Situational Awareness Tools (SULSAT). This will require cutting-edge technology in multiple fields, including high speed graphics computing, 3-D imaging, virtual reality, and visualization. This capability will be able to visualize internal and external structures of buildings as well as potential threats, and then disseminate that information to soldiers and small-unit leaders.		0.000	1.002
Title: Black Kite Description: Micro Air Vehicle (MAV) with increased sensor capability in support of Army Counter-IED (CIED) Strategy. FY 2014 Plans: Micro Air Vehicle (MAV) with increased sensor capability in support of Army Counter-IED (CIED) Strategy associated with integration of various (CIED initiatives. Supports Army-wide IED-Defeat Training initiatives and systems. Coordinated and integrated with TRADOC CoEs with CIED SMEs and products for all CIED Line of Efforts.		0.000	0.740
Title: Contractor Year Equivalent (CME) Support to TRADOC Capability Development and Integration Directorates (CDIDs) Description: Provides CMEs to CDIDs across TRADOC to develop and integrate capabilities. FY 2014 Plans: Will provide approximately 87 CMEs to CDIDs across TRADOC to develop and integrate the capabilities for which the ASA(ALT) community is developing and fielding materiel solutions. FY14 will be the first year of incremental funding until 100% of the requirement is funded in FY 2017 and beyond.		0.000	14.900
Accomplishments/Planned Programs Subtotals		17.200	29.489
C. Other Program Funding Summary (\$ in Millions)			
N/A			

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605326A: <i>Concepts Experimentation Program</i>	PROJECT 317: <i>Current Force Capability Gaps</i>
C. Other Program Funding Summary (\$ in Millions)		
<u>Remarks</u>		
<u>D. Acquisition Strategy</u> N/A		
<u>E. Performance Metrics</u> 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-2A, RDT&E Project Justification: PB 2014 Army										DATE: April 2013		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605326A: Concepts Experimentation Program				PROJECT 33B: Soldier-Centered Analyses For Future Force			
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 [#]	FY 2014 Base	FY 2014 OCO ^{##}	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
33B: Soldier-Centered Analyses For Future Force	-	1.854	1.895	1.875	-	1.875	1.865	1.876	1.803	1.800	Continuing	Continuing
Quantity of RDT&E Articles												
# FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012												
## The FY 2014 OCO Request will be submitted at a later date												
A. Mission Description and Budget Item Justification												
This project will provide early application of human performance and human figure modeling tools in the development of Soldier-focused requirements to shape technology for Future Force development. Design analyses, constructive simulations and Soldier-in-the-loop assessments will ensure that manpower requirements and workload and skill demands are considered to avoid information and physical task overloads, and take optimum advantage of aptitudes, individual and collective training, and numbers of Soldiers for an affordable Future Force. The cited work is consistent with the Strategic Planning Guidance, the Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP). Work in this project is performed by the Army Research Laboratory (ARL).												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2012	FY 2013	FY 2014
Title: Manpower and Personnel Integration (MANPRINT)										1.854	1.895	1.875
										Articles: 0	0	
Description: Provide dedicated modeling and analysis cell for early and accurate MANPRINT estimates to Army Materiel Command (AMC), Research, Development, and Engineering Command (RDECOM) and its Research, Development, and Engineering Centers (RDECs), TRADOC Centers, Schools and Centers of Excellence (CoEs), Army Test and Evaluation Command (ATEC) and other service laboratories.												
FY 2012 Accomplishments: Developed method to trace quantified Human System Integration (HSI) risks from Warfighter and platform performance up to mission execution.												
FY 2013 Plans: Develop analysis methodology to link HSI risk mitigation (i.e. specific system design changes) to manpower and health care cost avoidance.												
FY 2014 Plans:												

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Exhibit R-2A, RDT&E Project Justification: PB 2014 Army		DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605326A: <i>Concepts Experimentation Program</i>	PROJECT 33B: <i>Soldier-Centered Analyses For Future Force</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
Will develop and demonstrate model based links between Systems Engineering (SE) and MANPRINT tools and methods to leverage common data elements and resources to better inform acquisition tradeoff decisions.			
Accomplishments/Planned Programs Subtotals		1.854	1.895
C. Other Program Funding Summary (\$ in Millions) N/A			
Remarks			
D. Acquisition Strategy N/A			
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.			