

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item 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 0605716A: Army Evaluation Center							
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	-	62.845	62.765	65.274	-	65.274	65.734	64.762	64.999	56.150	Continuing	Continuing
302: Army Evaluation Center	-	62.845	62.765	65.274	-	65.274	65.734	64.762	64.999	56.150	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

Reprogramming actions due to HQ Army Test and Evaluation Command (ATEC) aligning all requirements for the Army Evaluation Center (AEC), subordinate command to ATEC, under one Program Element. Funds reprogrammed effective FY2014.

A. Mission Description and Budget Item Justification

The Army Evaluation Center (AEC) provides independent and integrated technical and operational evaluations, and life-cycle Continuous Evaluation (CE) of assigned Major Defense Acquisition Programs (MDAP), Major Automated Information Systems, and In-Process Review (IPR) programs for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive, other Service Acquisition Executives, Joint Program Executive Officers, other governmental agencies, and force development. AEC is The Army's independent evaluator. AEC develops the evaluation strategy, designs tests, and evaluates the test results to address a system's combat effectiveness, suitability, and survivability factors pertinent to the decision process, such as: Critical Operational Issues and Criteria (COIC), system performance, soldier survivability, performance in countermeasures, system survivability, reliability, supportability, etc. AEC has the lead in planning and execution of Army Live Fire Tests and Continuous Evaluations through its evaluation and test design responsibilities. The evaluations produced by AEC are required by the Army Chief of Staff, the Army Acquisition Executive, other Army, Service, Joint, and agency senior leaders and the Department of Defense Director of Operational Test and Evaluation for acquisition decisions. In addition, Army leadership has recognized the numerous benefits of an early involvement initiative. Test management and safety verification is also supported by this program element.

This project funds the salaries of civilian employees conducting T&E early involvement, evaluation and test design missions and associated personnel support/ sustainment costs including: temporary duty, professional training, supplies, and equipment. This project does not finance test facility operations, test instrumentation or test equipment.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army				DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
2040: Research, Development, Test & Evaluation, Army		PE 0605716A: Army Evaluation Center			
BA 6: RDT&E Management Support					
B. Program Change Summary (\$ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	63.202	62.765	62.444	-	62.444
Current President's Budget	62.845	62.765	65.274	-	65.274
Total Adjustments	-0.357	0.000	2.830	-	2.830
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.357	-			
• Adjustments to Budget Years	-	-	2.830	-	2.830

UNCLASSIFIED

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 0605716A: Army Evaluation Center				PROJECT 302: Army Evaluation Center			
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
302: Army Evaluation Center	-	62.845	62.765	65.274	-	65.274	65.734	64.762	64.999	56.150	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												
Army consolidated three Test and Evaluation Command Headquarters, Army Test and Evaluation Command (ATEC), Developmental Test Command (DTC), and Army Evaluation Center (AEC). As a result of this consolidation, ATEC aligned all requirements for the Army Evaluation Center (AEC), subordinate command to ATEC, under one Program Element. Funds reprogrammed effective FY2014.												
A. Mission Description and Budget Item Justification												
The Army Evaluation Center (AEC) provides independent and integrated technical and operational evaluations, and life-cycle Continuous Evaluation (CE) of assigned Major Defense Acquisition Programs (MDAP), Major Automated Information Systems, and In-Process Review (IPR) programs for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive, other Service Acquisition Executives, Joint Program Executive Officers, other governmental agencies, and force development. AEC is The Army's independent evaluator. AEC develops the evaluation strategy, designs tests, and evaluates the test results to address a system's combat effectiveness, suitability, and survivability factors pertinent to the decision process, such as: Critical Operational Issues and Criteria (COIC), system performance, soldier survivability, performance in countermeasures, system survivability, reliability, supportability, etc. AEC has the lead in planning and execution of Army Live Fire Tests and Continuous Evaluations through its evaluation and test design responsibilities. The evaluations produced by AEC are required by the Army Chief of Staff, the Army Acquisition Executive, other Army, Service, Joint, and agency senior leaders and the Department of Defense Director of Operational Test and Evaluation for acquisition decisions. In addition, Army leadership has recognized the numerous benefits of an early involvement initiative.												
This project funds the salaries of civilian employees conducting T&E early involvement, evaluation and test design missions and associated personnel support/sustainment costs including: temporary duty, professional training, supplies, and equipment. This project does not finance test facility operations, test instrumentation or test equipment.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2012	FY 2013	FY 2014	
Title: Army Evaluation Center									59.052	58.999	65.274	
									Articles: 0	0		
Description: Provide integrated technical and operational evaluations and continuous evaluation of assigned MDAPs and major automated information systems for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive and force development. Develop the evaluation strategy, design technical and operational tests, and evaluate the test results to address the combat effectiveness, suitability, and survivability factors pertinent to the decision process,												

UNCLASSIFIED

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 0605716A: <i>Army Evaluation Center</i>	PROJECT 302: <i>Army Evaluation Center</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
for programs such as Mine resistant Ambush Protected Vehicle (MRAP), Global Command and Control System - Army (GCCS-A), Warfighter Information Network- Tactical (WIN-T), Stryker, High Mobility Artillery Rocket System (HIMARS), Land Warrior (LW), General Fund Enterprise Business System (GFEBS), Joint Tactical Radio System (JTRS), Patriot and Patriot Advanced Capability (PAC 3), Integrated Air and Missile Defense (IAMD), Family of Medium Tactical Vehicles (FMTV), Excalibur, Longbow Apache, and Distributed Common Ground System - Army (DCSG-A) (plus hundreds of other systems/programs across The Army). Prepare integrated System Evaluation Plans and conduct integrated technical and operational evaluations for all Army weapon systems. In support of Overseas Contingency Operations (OCO), AEC has continued its workload focus towards the evaluation of Rapid Initiative (RI) systems, Counter Improvised Explosive Device (IED) systems, and Urgent Material Releases. Includes civilian pay costs for 371 authorizations for FY 11 and 411 civilian authorizations FY12 and beyond. FY 2012 Accomplishments: Provided integrated technical and operational evaluations and continuous evaluation of assigned MDAPs and major automated information systems for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive and force development. Continued to prepare integrated System Evaluation Plans and conduct integrated technical and operational evaluations for all Army weapon systems. Continued workload focus towards the evaluation of Rapid Initiative (RI) systems, Counter Improvised Explosive Device (IED) systems, and Urgent Material Releases. to include civilian pay costs for 411 authorizations for FY 12 (equates to approximately 93% of AEC's total budget). Additionally, provided Underbody Blast Modeling and Simulation support to provide early identification of vehicle improvements that directly impact Soldier survivability; improved test design; provided additional evaluation data to support acquisition. Endstate was to have a valid, accredited model to evaluate crew survivability. Also, provided Center for Reliability and Growth in response to DUSD (ATL) and AAE policies mandating Reliability Growth programs and periodic assessments for major systems. These DOD and DA policies became Public Law 111-23 (The Weapon System Reform Act of 2009 - signed 22 May 2009). The Law emphasized that the service acquisition executive must ensure acquisition personnel had appropriate training and expertise to formulate robust RAM growth programs. The policies and Law were a result of a Defense Science Board report on Developmental Test and Evaluation (May 2008), showing that there had been a significant increase in the number of Department of Defense weapon system programs evaluated as not being operationally suitable. The report showed that about two thirds of Army systems from 1997 to 2006 failed to meet their reliability requirements during operational testing - primarily due to lack of material readiness due to poor system reliability and maintenance (RAM). Funding provided resources dedicated to developing critical tools, methodologies, policies, formal guidance, and educational materials required to implement new policies and improve weapon system reliability. FY 2013 Plans: Provides integrated technical and operational evaluations and continuous evaluation of assigned MDAPs and major automated information systems for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive and force development. Continues to prepare integrated System Evaluation Plans and conduct integrated technical			

UNCLASSIFIED

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 0605716A: <i>Army Evaluation Center</i>		PROJECT 302: <i>Army Evaluation Center</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2012	FY 2013	FY 2014
and operational evaluations for all Army weapon systems. To include civilian pay costs for 386 authorizations for FY 13 (equates to approximately 94% of AEC's total budget). Additionally, provide Underbody Blast Modeling and Simulation support to provide early identification of vehicle improvements that directly impact Soldier survivability; improves test design; provides additional evaluation data to support acquisition. Endstate is to have a valid, accredited model to evaluate crew survivability. Also, provide Center for Reliability and Growth in response to DUSD (ATL) and AAE policies mandating Reliability Growth programs and periodic assessments for major systems. These DOD and DA policies became Public Law 111-23 (The Weapon System Reform Act of 2009 - signed 22 May 2009). The Law emphasizes that the service acquisition executive must ensure acquisition personnel have appropriate training and expertise to formulate robust RAM growth programs. The policies and Law are a result of a Defense Science Board report on Developmental Test and Evaluation (May 2008), showing that there has been a significant increase in the number of Department of Defense weapon system programs evaluated as not being operationally suitable. The report shows that about two thirds of Army systems from 1997 to 2006 failed to meet their reliability requirements during operational testing - primarily due to lack of material readiness due to poor system reliability and maintenance (RAM). Funding provides resources dedicated to developing critical tools, methodologies, policies, formal guidance, and educational materials required to implement new policies and improve weapon system reliability. FY 2014 Plans: Will provide integrated technical and operational evaluations and continuous evaluation of assigned MDAPs and major automated information systems for major milestone decisions, materiel changes, and materiel releases in support of the Army Acquisition Executive and force development. Will continue to prepare integrated System Evaluation Plans and conduct integrated technical and operational evaluations for all Army weapon systems. To include civilian pay costs for 439 authorizations for FY 14 (equates to approximately 94% of AEC's total budget). Additionally, will provide Underbody Blast Modeling and Simulation support to provide early identification of vehicle improvements that directly impact Soldier survivability; improves test design; provides additional evaluation data to support acquisition. Endstate is to have a valid, accredited model to evaluate crew survivability. Also, will provide Center for Reliability and Growth in response to DUSD (ATL) and AAE policies mandating Reliability Growth programs and periodic assessments for major systems. These DOD and DA policies became Public Law 111-23 (The Weapon System Reform Act of 2009 - signed 22 May 2009). The Law emphasizes that the service acquisition executive will ensure acquisition personnel will have appropriate training and expertise to formulate robust RAM growth programs. The policies and Law will be the a result of a Defense Science Board report on Developmental Test and Evaluation (May 2008), showing that there will be a significant increase in the number of Department of Defense weapon system programs evaluated as not being operationally suitable. The report will show that about two thirds of Army systems from 1997 to 2006 failed to meet their reliability requirements during operational testing - primarily due to lack of material readiness due to poor system reliability and maintenance (RAM). Funding will provide resources dedicated to developing critical tools, methodologies, policies, formal					

UNCLASSIFIED

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 0605716A: <i>Army Evaluation Center</i>	PROJECT 302: <i>Army Evaluation Center</i>
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2012	FY 2013
guidance, test management, safety verification and educational materials required to implement new policies and improve weapon system reliability.			
Title: Early Involvement Description: Supports the Commanding General's early involvement initiative which positions acquisition certified liaison officers at 2 Joint and 9 Army Program Executive Offices (PEO), TRADOC/ARCIC, REF, JIEDDO, and RDECOM. Assigned personnel provide continuous support to materiel and combat developers from the inception of their programs. The early involvement of LNOs supports the sections of the ATEC Mission Essential Task List (METL) that apply to ongoing contingency operations. ATEC performance continues to meet 120 day rapid equipping requirement set by the CSA. Liaison officers continue to enable ATEC to sustain rapid, flexible T&E support in the evaluation of Rapid Initiative Systems, Counter IED systems, and Urgent Material Releases. Effort results in cost savings, cost avoidance and critical design efficiencies being identified early in a system's development, thereby avoiding more expensive product improvement programs later in a system's life cycle. T&E efficiency gains continue to be realized through early identification of instrumentation, modeling and simulation tools, and other resources needed for testing, as well as making more efficient use of data from developmental testing and experiments. FY 2012 Accomplishments: Continued support of the Commanding General's early involvement initiative which positions acquisition certified liaison officers at 2 Joint and 9 Army Program Executive Offices (PEO), TRADOC/ARCIC, REF, JIEDDO, and RDECOM. FY 2013 Plans: Continues support of the Commanding General's early involvement initiative which positions acquisition certified liaison officers at 2 Joint and 9 Army Program Executive Offices (PEO), TRADOC/ARCIC, REF, JIEDDO, and RDECOM.		3.793 0	3.766 0
Articles:			
Accomplishments/Planned Programs Subtotals		62.845	62.765
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.			