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Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i>					R-1 Program Element (Number/Name) PE 0605716A / <i>Army Evaluation Center</i>							
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	54.468	52.694	55.905	-	55.905	52.317	52.706	54.216	55.670	-	-
302: <i>Army Evaluation Center</i>	-	54.468	52.694	55.905	-	55.905	52.317	52.706	54.216	55.670	-	-

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

This Program Element provides the resources to operate the Army Evaluation Center (AEC) which is responsible for all assigned developmental and independent operational evaluation of Army materiel, information and acquisition systems, an inherently government mission. This project funds direct civilian labor and minimum non-labor requirements to include: TDY, personnel training, career development, supplies and equipment, hardware, software, and other external OGA support for the RAM Center for Reliability Growth (CRG) and Underbody Blast Modeling and Simulation (UBM) initiatives. CRG improves reliability by providing policy, guidance, standards, methods, tools, and training resulting in increased materiel/operational availability, and initial operational testing success rates while decreasing support costs and logistics footprint. The UBM initiative identifies vehicle improvements directly impacting Soldier survivability.

AEC consists of seven directorates (Aviation-Fires Evaluation Directorate, BMD Evaluation Directorate (funded by MDA), C4ISR Evaluation Directorate, Integrated Suitability & Methodology Directorate, Mounted Systems Evaluation Directorate, Soldier & Support System Evaluation Directorate and Survivability Evaluation Directorate) and a headquarters element. AEC receives staff services from ATEC HQ. The primary competencies of these directorates is to evaluate effectiveness, suitability, survivability independently; determine if PM and user directed requirements are met, direct the test strategy and verify system safety.

B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	55.031	52.694	52.864	-	52.864
Current President's Budget	54.468	52.694	55.905	-	55.905
Total Adjustments	-0.563	0.000	3.041	-	3.041
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.563	-			
• Adjustments to Budget Years	-	-	3.041	-	3.041

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<u>Change Summary Explanation</u> Increase in FY17, provides funding to support the labor of the AEC evaluators assigned to develop an independent operational evaluation of Army materiel, information and acquisition systems, which is an inherently government mission.		

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605716A / Army Evaluation Center				Project (Number/Name) 302 / Army Evaluation Center			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
302: Army Evaluation Center	-	54.468	52.694	55.905	-	55.905	52.317	52.706	54.216	55.670	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Not applicable for this item.

A. Mission Description and Budget Item Justification

This Program Element provides the resources to operate the Army Evaluation Center (AEC) which is responsible for all assigned developmental and independent operational evaluation of Army materiel, information and acquisition systems, an inherently government mission. This project funds direct civilian labor and minimum non-labor requirements to include: TDY, personnel training, career development, supplies and equipment, hardware, software, and other external OGA support for the RAM Center for Reliability Growth (CRG) and Underbody Blast Modeling and Simulation (UBM) initiatives. CRG improves reliability by providing policy, guidance, standards, methods, tools, and training resulting in increased materiel/operational availability, and initial operational testing success rates while decreasing support costs and logistics footprint. The UBM initiative identifies vehicle improvements directly impacting Soldier survivability.

AEC consists of seven directorates (Aviation-Fires Evaluation Directorate, BMD Evaluation Directorate (funded by MDA), C4ISR Evaluation Directorate, Integrated Suitability & Methodology Directorate, Mounted Systems Evaluation Directorate, Soldier & Support System Evaluation Directorate and Survivability Evaluation Directorate) and a headquarters element. AEC receives staff services from ATEC HQ. The primary competencies of these directorates is to evaluate effectiveness, suitability, survivability independently; determine if PM and user directed requirements are met, direct the test strategy and verify system safety.

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

	FY 2015	FY 2016	FY 2017
Title: Army Evaluation Center (AEC)	54.468	52.694	55.905
Description: Provide integrated technical and operational evaluations and continuous evaluation of assigned weapon systems 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, of hundreds of systems/programs across the Army, other services and agencies. Prepare integrated System Evaluation Plans and conduct integrated technical and operational evaluations for all assigned systems. In support of Overseas Contingency Operations (OCO) and other real-world events, AEC continues to provide Capability & Limitation Reports and safety verification documents.			
FY 2015 Accomplishments: Funded the operational costs for the Army Evaluation Center (AEC) which includes civilian pay and non-labor costs (approximately 94% of AEC's total budget is civilian labor). Additionally, provided funding for the Underbody Blast Modeling and Simulation support that provides early identification of vehicle improvements that directly impact Soldier survivability; improved test			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016	FY 2017
<p>design; provided additional evaluation data to support acquisition. Also, provided funding for the Center for Reliability and Growth in response to policies mandating Reliability Growth programs and periodic assessments for major systems.</p> <p>FY 2016 Plans: Funded the operational costs for the Army Evaluation Center (AEC) which includes civilian pay and non-labor costs (approximately 94% of AEC's total budget is civilian labor). Additionally, provide funding for the Underbody Blast Modeling and Simulation support that provides early identification of vehicle improvements that directly impact Soldier survivability; improves test design; provides additional evaluation data to support acquisition. Also, provide funding for the Center for Reliability and Growth in response to policies mandating Reliability Growth programs and periodic assessments for major systems.</p> <p>FY 2017 Plans: Funds the operational costs for the Army Evaluation Center (AEC) which includes civilian pay and non-labor costs (approximately 94% of AEC's total budget is civilian labor). Additionally, provides funding for the Underbody Blast Modeling and Simulation support that provides early identification of vehicle improvements that directly impact Soldier survivability; improves test design; provides additional evaluation data to support acquisition. Also, provides funding for the Center for Reliability and Growth in response to policies mandating Reliability Growth programs and periodic assessments for major systems. AEC is projected to support over 50 milestone decisions to include milestone A: Next Generation Chemical Detector (NGCD) Incr 4 (JPEO CBD); milestone B: Maneuver Support Vessel (L) (PEO CSCSS); milestone C: Bradley ECP 2 (PEO GCS), XM784/XM785 (PEO Ammo), JACM (PEO Missiles & Space); full rate production: WIN-T INC 3 (PEO C3T); and materiel release of 155mm-SCAM (PEO Ammo), Enhanced Night Vision Goggle (ENVG) (PEO Soldier) and AN/APR-39 (PEO IEW&S). AEC will continue to provide Capability & Limitation Reports and safety verification documents to support real-world operations.</p>			
Accomplishments/Planned Programs Subtotals	54.468	52.694	55.905

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A