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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Army **Date:** March 2023

Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support	R-1 Program Element (Number/Name) PE 0605712A / Support of Operational Testing
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	54.797	70.718	75.133	-	75.133	75.901	76.057	76.888	77.734	0.000	507.228
001: ATEC Joint Tests And Follow-On Test & Eval	-	0.355	-	-	-	-	-	-	-	-	0.000	0.355
V02: ATEC Activities	-	54.442	70.718	75.133	-	75.133	75.901	76.057	76.888	77.734	0.000	506.873

A. Mission Description and Budget Item Justification

This funding line supports testing of Army Modernization Priority Programs.

This Program Element (PE) provides resources to the United States (U.S.) Army Test and Evaluation Command (ATEC) to operate the Army's Operational Test Command (OTC). OTC conducts independent operational tests that provide significant data to Army decision-makers on key Army systems and concepts. This PE finances recurring costs for OTC that are essential for conducting realistic and continuous testing in the critical areas of equipment, doctrine, force design and training. These recurring costs include civilian pay, requirements for test support contracts, temporary duty, training, supplies and equipment. It also provides funding to the U.S. Army Futures Command to operate the Army Joint Test Element (JTE). JTE examines Joint Service, Combatant Command (COCOM) and Department of Defense (DoD) agencies' mission gaps, tactics, and doctrine, resulting in the development of Tactics, Techniques and Procedures (TTP), Concept of Operations (CONOPS) and assessment documents. Products are developed through operational non-materiel solutions to urgent, specific, Joint Warfighter problems.

B. Program Change Summary (\$ in Millions)

	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	55.122	70.718	72.760	-	72.760
Current President's Budget	54.797	70.718	75.133	-	75.133
Total Adjustments	-0.325	0.000	2.373	-	2.373
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.325	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	2.373	-	2.373

Change Summary Explanation

Increased funding due to revised economic assumptions.

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605712A / Support of Operational Testing				Project (Number/Name) 001 / ATEC Joint Tests And Follow-On Test & Eval			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
001: ATEC Joint Tests And Follow-On Test & Eval	-	0.355	-	-	-	-	-	-	-	-	0.000	0.355
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Joint Modernization Command (JMC) plans and executes worldwide multi-echelon, joint and multi-national field experiments in support of the Army's modernization strategy enabling a multi-domain operations Aimpoint Force. This Project provides funding for the Joint Modernization Command - Aberdeen Proving Grounds (JMC-APG) which supports assessments of operational solutions to urgent, specific, Joint Warfighter problems through a short-term, rigorous experiment process. This support is principally through the AFC Experiment program. The office further manages Army resources in support of joint assessments. The objective of JMC-APG is to develop, in operational environments, methods for Warfighters to accomplish their missions more effectively with today's equipment, organizations, and doctrine. JMC-APG achieves this by evaluating new concepts for tactics, techniques, and procedures, and addressing Combatant Commanders' needs and issues in the joint military environments.

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

	FY 2022	FY 2023	FY 2024
Title: Army Joint Test Element (JTE) Management Support	0.355	-	-
Description: Funds the civilian salaries and related non-labor requirements that support the JMC-APG.			
Accomplishments/Planned Programs Subtotals	0.355	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605712A / Support of Operational Testing	Project (Number/Name) V02 / ATEC Activities
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
V02: ATEC Activities	-	54.442	70.718	75.133	-	75.133	75.901	76.057	76.888	77.734	0.000	506.873
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY24 there is a transfer of 10 full-time equivalents (FTEs) and associated civilian labor costs from PE 0605602A / FJ3, Technical Test Instrumentation and Targets to PE 0605712A / V02 Support of Operational Testing - ATEC Activities.

A. Mission Description and Budget Item Justification

This Project provides funding to the Army Test and Evaluation Command (ATEC) to operate the Operational Test Command (OTC) which conducts independent operational tests that provide significant data to Army decision makers on key systems in support of the Army's modernization priorities. These operational tests are required by public law (Title 10 USC 2399). This Project finances recurring costs for OTC that are essential to conduct realistic and continuous testing in the critical areas of equipment, doctrine, force design and training. These recurring costs include civilian pay, requirements for test support contracts, training, supplies, equipment, and temporary duty travel.

OTC consists of four forward Test Directorates (Airborne and Special Operations Test Directorate, Fort Bragg, North Carolina; Air and Missile Defense Test Directorate, Fort Bliss, Texas; Fires Support Test Directorate, Fort Sill, Oklahoma; and the Intelligence Electronic Warfare Test Directorate, Fort Huachuca, Arizona) together with four additional Test Directorates (Aviation; Maneuver; Mission Command; Maneuver Support and Sustainment) and OTC Headquarters at Fort Hood, Texas. These activities support the development and fielding cycle of all Army acquisition programs including rapid fielding initiatives in support of the Army's modernization priorities. The primary mission of these test directorates is to perform detailed planning, execution, and reporting of Customer Tests, Early User Tests, Limited User Tests (LUT), Initial Operational Test and Evaluation (IOTE), and Follow-On Operational Tests (FOT) in support of Army Modernization. OTC also supports Army Futures Command's Soldier Touch Points and other early assessments of potential new systems the Army seeks to acquire in support of Army Modernization. Funding provides essential sustainment of models, simulations, and instrumentation for operational testing of airborne/aviation systems, mission command systems, fires systems, intelligence systems, real-time casualty assessment (RTCA), and common live-virtual-constructive (LVC) tools.

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

	FY 2022	FY 2023	FY 2024
Title: Operational Test Command Civilian Pay	43.420	44.497	47.756
Description: This funding supports the cost of civilian labor for OTC authorizations.			
FY 2023 Plans: Will continue to support the costs of civilian labor for OTC authorizations.			
FY 2024 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
Will continue to support the costs of civilian labor for OTC authorizations. FY 2023 to FY 2024 Increase/Decrease Statement: Increase in funding is due to realignment of funding from PE 0605602A / Project FJ3, Army Technical Test Instrumentation & Targets to cover ten civilian FTEs that transferred as well.				
Title: Operational Test Command Operations Support Description: OTC operational costs including mission support and information technology contracts, logistics training, equipment, travel, facility maintenance and supplies. FY 2023 Plans: Continue to support operational costs including mission support and information technology contracts, logistics, training, equipment, travel, and supplies that are required to conduct the operational test mission. Contractual support includes test support requirements; information technology (IT) and network support and licensing; facilities maintenance and utilities; and technology modernization updates. FY 2024 Plans: Continue to support operational costs including mission support and information technology contracts, logistics, training, equipment, travel, and supplies that are required to conduct the operational test mission. Contracted support includes test support requirements; information technology (IT) and network support and licensing; facilities maintenance and technology modernization updates. FY 2023 to FY 2024 Increase/Decrease Statement: Increase in funding is due to cost for non-pay and non-fuel purchases.		11.022	12.171	13.512
Title: Test Technology Sustainment Description: This project sustains the capabilities to create a realistic multi-domain operational (MDO) test environment with modern threat effects, provide test monitoring and control, and data analysis. This project sustains the expertise to employ modeling and simulation tools and the expertise to adapt/integrate current Army training simulation capabilities and other tools to function with new Army systems and sustains operational test (OT)-unique simulation and instrumentation systems. By sustaining the models and simulation tools and expertise, this project reduces test costs and the demand for Army test units by simulating tactical engagements, adjacent and higher headquarters units, mission command message traffic, and battlefield kinetic and non-kinetic effects. This project sustains video equipment, appended data collection devices, and embedded software used to collect and analyze system performance during test. The project also funds the technical expertise and hardware to sustain cyber security of OTC's technology capabilities; technology tools across OTC require Risk Management Framework (RMF) accreditation.		-	13.211	13.865

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p><i>FY 2023 Plans:</i> OTC will sustain test capabilities to provide a realistic MDO test environment with modern kinetic and non-kinetic threat effects for the following Army modernization efforts: Rapid Rigging and De-Rigging Air Delivery System (RRDAS), RRDAS Maintenance Evaluation/Technical Manual (ME/TM), Multipurpose Equipment Transport System, Patriot, Cargo Helicopter CH-47F Block II, Guided Multiple Launch Rocket System - Extended Range, Terminal High Altitude Area Defense (THAAD), THAAD Flight Test, SPIKE-NLOS (non-line-of-sight), Attack Helicopter AH-64V6.X Flight Test, Multi- functional Information System, Family of Medium Tactical Vehicles, Future Vertical Lift CFT, Extended Range Cannon Artillery Increment 1C, Future Weapon Sight-Crew Served, Armored Multi-Purpose Vehicle, Abrams M1A2 System Enhancement Program (SEP), Assured Position Navigation and Timing, Robotic Combat Vehicles, Next Generation Squad Weapons, Command Post Computing Environment, Accessions Information Environment, Army Training Information System, Improved Forward Looking Infrared, Lower Tier Air and Missile Defense Sensor-Radar Set, Enhanced Electronic Automatic Activation Device, Mounted Computing Environment, Global Combat Support System, Mobile Airfield Damage Repair Kit, Modernized Radar Warning Receiver, Distributed Common Ground System - Army, Stryker 30mm Engineering Change Proposal, Mobile Protective Firepower, Precision Strike Missile, Project Convergence, the Synthetic Training Environment-CFT, and Cross-Functional Team Soldier-centered design events. Programs will align requirements with Army modernization priorities in support of the National Defense Strategy.</p> <p><i>FY 2024 Plans:</i> Funds support all OTC Test Technology Support Service contracts that sustain existing technology systems to provide a realistic multi-domain operational environment with modern kinetic and non-kinetic battlefield effects, provide test monitoring and control, and provide the data collection and analysis tools for the Army modernization efforts at OTC's all five geographical locations at Fort Hood, Fort Bragg, Fort Bliss, Fort Sill and Fort Huachuca.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> Increase due to planned Lifecycle effort.</p>			
<p><i>Title:</i> SBIR/STTR Transfer</p> <p><i>Description:</i> Funding transferred in accordance with Title 15 USC §638.</p> <p><i>FY 2023 Plans:</i> Funding transferred in accordance with Title 15 USC §638.</p> <p><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> Funding transferred in accordance with Title 15 USC §638.</p>	-	0.839	-
Accomplishments/Planned Programs Subtotals	54.442	70.718	75.133

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

Remarks

D. Acquisition Strategy
N/A