Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Army											Date: April 2022	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0605602A *I Army Technical Test Instrumentation and Targets*							
COST ($ in Millions)	**Prior Years**	**FY 2021**	**FY 2022**	**FY 2023 Base**	**FY 2023 OCO**	**FY 2023 Total**	**FY 2024**	**FY 2025**	**FY 2026**	**FY 2027**	**Cost To Complete**	**Total Cost**
Total Program Element	-	81.829	59.253	37.962	-	37.962	38.176	38.146	38.141	38.513	0.000	332.020
628: *Developmental Test Technology & Sustainment*	-	38.124	44.739	-	-	-	-	-	-	-	0.000	82.863
62C: *Modeling and Simulation Instrumentation*	-	43.705	14.514	-	-	-	-	-	-	-	0.000	58.219
FJ3: *Technical Test Instrumentation & Targets*	-	-	-	37.962	-	37.962	38.176	38.146	38.141	38.513	0.000	190.938

A. Mission Description and Budget Item Justification

This funding line supports test and evaluation of Army Modernization Priority Programs.

This Program Element (PE) provides critical front-end investments for development of: new test methodologies and standards; advanced test technology concepts; future test capabilities; advanced modeling, simulation and instrumentation prototypes; and full scale development of test and evaluation capabilities for the United States (U.S) Army Test and Evaluation Command (ATEC), which includes the Operational Test Command (OTC) at Ft Hood, Texas; Aberdeen Test Center (ATC), Aberdeen Proving Ground, Maryland; White Sands Test Center (WSTC) at White Sands Missile Range (WSMR), New Mexico; Electronic Proving Ground (EPG), Fort Huachuca, Arizona; Yuma Test Center (YTC) at Yuma Proving Grounds (YPG), Arizona (including the Cold Regions Test Center (CRTC), Fort Greely, Alaska and the Tropics Regions Test Center (TRTC), at various locations); and Redstone Test Center (RTC), Redstone Arsenal, Alabama. 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 Test Directorate, Fort Sill, Oklahoma; and the Intelligence Electronic Warfare Test Directorate, Fort Huachuca, Arizona) together with four other Test Directorates (Aviation; Maneuver; Mission Command; Maneuver Support and Sustainment) at Ft Hood, Texas. These capabilities are required to support test and evaluation requirements of high priority Army modernization systems to support development of Multi-Domain Operations (MDO)-capable Forces. These activities enable Army Futures Command (AFC) modernization efforts and readiness and support the development and fielding cycle of all Army acquisition programs including rapid fielding initiatives and programs of record. Sustainment funding maintains existing testing capabilities at all locations by replacing unreliable, uneconomical, and irreparable instrumentation, as well as incremental upgrades of hardware and software for modeling, simulation, and instrumentation systems to assure adequate test data collection capabilities. This data supports acquisition milestone decisions for all test mission areas throughout the Army including programs such as the 105-mm Mobile Howitzer, 30mm/40mm ammunition, Active Protection System (APS), AH-64 Block III, APR-39C(V)1 Radar, Armored Multi-Purpose Vehicle (AMPV), Army Integrated Air-Missile Defense (AIAMD), Army Tactical Missile System (ATACMS), CH-47F Chinook, Command Post Computing Environment (CPCE), Common Infrared Counter Measures (CIRCM), Counter Unmanned Aircraft System (c-UAS), Counter Rocket Artillery Mortar (C-RAM), Dismounted Assured PNT System (DAPS), Distributed Common Ground System - Army (DCGS-A), Enhanced Night Vision Goggle- Binocular (ENVG-B), Expedient Leader Follower, Extended Range Cannon Artillery (ERCA), Family of Medium Tactical Vehicles (FMTV), Guided Multiple Launch Rocket System (GMLRS), Integrated Tactical Network (ITN), Javelin, Joint Air-to- Ground Missile (JAGM) for US Navy, Joint Assault Bridge (JAB), Joint Light Tactical Vehicle (JLTV), Leader Radio, M109A7 Paladin/M992A3, M1A2 Abrams, M-2/3 Bradley Expedited Active Protection System (ExAPS), M-2/3 Bradley Fist, M776 Chrome Tube, M777 Long Range Cannon, Maneuver Short Range Air Defense (M-SHORAD), ManPack (MP),

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Army	Date: April 2022
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Mounted Assured PNT System (MAPS), Mobile Protected Firepower (MPF), Optionally Manned Fighting Vehicle, Patriot 3 (PAC-3), Precision Guidance Kit (PGK), Precision Strike Missile (PrSM), Robotic Combat Vehicle (RCV), Shadow Tactical Unmanned Aircraft System (TUAS), Stinger Shelf life Extension Program (SLEP), Stryker, Systems for Assured Position, Navigation and Timing (PNT), Terminal High-Altitude Area Defense (THAAD), UH-60M Black Hawk, and XM113. Also supports AFC and Army Modernization events to include Project Convergence and PNT Assessment Exercise (PNTAX).

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	81.829	49.253	0.000	-	0.000
Current President's Budget	81.829	59.253	37.962	-	37.962
Total Adjustments	0.000	10.000	37.962	-	37.962
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	10.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	37.962	-	37.962

Congressional Add Details ($ in Millions, and Includes General Reductions)	FY 2021	FY 2022
Project: 628: *Developmental Test Technology & Sustainment*		
Congressional Add: *Cyber Space Threats*	5.000	-
Congressional Add: *Rapid Assurance Modernization Program ? Test (RAMP-T)*	-	10.000
Congressional Add Subtotals for Project: 628	5.000	10.000
Project: 62C: *Modeling and Simulation Instrumentation*		
Congressional Add: *Space and Missile Cyber Security*	30.000	-
Congressional Add Subtotals for Project: 62C	30.000	-
Congressional Add Totals for all Projects	35.000	10.000

Change Summary Explanation

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army			Date: April 2022
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605602A / *Army Technical Test Instrumentation and Targets*	Project (Number/Name) 628 / *Developmental Test Technology & Sustainment*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
628: *Developmental Test Technology & Sustainment*	-	38.124	44.739	-	-	-	-	-	-	-	0.000	82.863
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.

A. Mission Description and Budget Item Justification

This Project provides critical front-end investments for development of new test methodologies and standards, advanced test technology concepts, future test capabilities, and advanced instrumentation prototypes for subordinate commands of the Army Test and Evaluation Command (ATEC). These capabilities are required to support developmental testing requirements of high priority Army systems supporting Army modernization efforts. Where practical, efficiencies will be gained through the common use of developmental instrumentation in operational testing. A key element is sustaining aging instrumentation which maintains existing capabilities at test facilities by replacing unreliable, uneconomical and irreparable instrumentation, as well as lifecycle replacement and incremental upgrades of instrumentation and software, reducing their average age to assure adequate testing capabilities. This Project develops and maintains developmental test instrumentation and capabilities that provide the data necessary to support acquisition milestone decisions for all test mission areas throughout the Army. Significant examples include new instrumentation for the testing of Command, Control, Communication and Computer (C4) systems, upgrades to existing radars to extend their economic life, common data collection and analysis tools, non-intrusive instrumentation to test Unmanned Ground Vehicles and sensors, high speed - high definition digital imaging systems to capture missile flight events, and automation software to improve data collection of reliability, availability, and maintainability (RAM) testing.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Developmental Test Technology Investment	33.124	33.599	-
Description: Develops, acquires, and maintains critical test technology and instrumentation. Provides the necessary test instrumentation, computer and communications systems, data collection, analysis and reporting equipment, and other special test capabilities to successfully develop and test Army weapons and equipment. Provides the necessary live, virtual and constructive environment, hardware-in-the-loop capabilities, and modeling and simulation (M&S) needed for testing Army materiel solutions. Acquires instrumentation to measure performance of Command, Control, Communication and Computer (C4) systems; reliability, availability, and maintainability (RAM) data collection on tracked and wheeled vehicles; ballistic transducers for measuring chamber pressures during ammunition and barrel tests; supports development of common data collection instrumentation and data management systems used in testing across all test commodity areas and lifecycles; continues replacement and upgrade of range control instrumentation, radar, optics and telemetry used in missile testing; acquires data recorders, signal conditioning			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** 628 / *Developmental Test Technology & Sustainment*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
equipment, data processing equipment and other instrumentation for various aircraft tests; upgrades natural environments test instrumentation used for testing weapon systems, vehicles, munitions and support equipment in extreme hot desert environments as well as extreme cold conditions; continues upgrade of survivability/vulnerability test capabilities in support of live fire testing; upgrades and replaces mobile range communications equipment and digital end devices; and improves test efficiency through the use of smart devices as data collectors. ***FY 2022 Plans:*** Test centers will continue to provide, acquire, and upgrade instrumentation for C4ISR, RAM, automotive, ballistics, missile, aviation and environmental testing across all test commodity areas and enhance/expand the use of common data collectors, smart devices, and enterprise data management tools. Examples include Aberdeen Test Center (ATC) Crew Survivability Instrumentation during Live Fire Test and Evaluation (LFT&E) to support NGCV; Electronic Proving Ground (EPG) Phoenix Architecture project for support to C4 network systems; Yuma Proving Ground (YPG) Long Range Precision Fires (LRPF) test support equipment; White Sands Missile Range (WSMR) Directed Energy Laser test modernization, and Redstone Test Center's (RTC) Modular Open System Architecture (MOSA) for supporting Future Vertical Lift (FVL) testing. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.			
Title: FY2022 SBIR/STTR Transfer ***Description:*** Funding transferred in accordance with Title 15 USC ?638. ***FY 2022 Plans:*** Funding transferred in accordance with Title 15 USC ?638. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC ?638.	-	1.140	-
Accomplishments/Planned Programs Subtotals	33.124	34.739	-

	FY 2021	FY 2022
Congressional Add: Cyber Space Threats ***FY 2021 Accomplishments:*** Congressional Add for Cyber Space Threats.	5.000	-
Congressional Add: Rapid Assurance Modernization Program ? Test (RAMP-T)	-	10.000

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** 628 / *Developmental Test Technology & Sustainment*

	FY 2021	FY 2022
FY 2022 Plans: Congressional Add for RAMP-T.		
Congressional Adds Subtotals	5.000	10.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army			Date: April 2022
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605602A / *Army Technical Test Instrumentation and Targets*	Project (Number/Name) 62C / *Modeling and Simulation Instrumentation*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
62C: *Modeling and Simulation Instrumentation*	-	43.705	14.514	-	-	-	-	-	-	-	0.000	58.219
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.

A. Mission Description and Budget Item Justification

The United States Army Test and Evaluation Command (U.S. ATEC) plans, executes, and reports on operational tests, assessments and experiments in order to provide essential information for the acquisition and fielding of Army systems. A subordinate unit of ATEC, the Operational Test Command (OTC) provides support to Army Future Command (AFC), Cross Functional Teams (CFT), and Programs of Record. OTC employs Modeling, Simulation, and Instrumentation (MS&I) to provide a realistic multi-domain operational (MDO) test environment with modern threat effects, conduct test monitoring and control, and perform data analysis. OTC performs Risk Management Framework (RMF) functions on all technology tools across OTC and develops and adapts Army training simulations (such as Multiple Integrated Laser Engagement System (MILES) Real Time Casualty Assessment (RTCA), One Semi-Automated Forces (OneSAF) Live-Virtual-Constructive (LVC), Extensible Command, Control, Communications, and Computers Intelligence (C4I) Instrumentation Suite (ExCIS), and others for use in Operational Tests (OTs). By using MS&I tools, OTC reduces test cost 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. OTC provides test monitoring and control through video monitoring, Global Positioning System (GPS)-enabled networks, and integration with Army mission command systems to collect real-time position location and status tracking to ensure test safety and provide status of data collection devices. OTC uses video equipment, appended data collection devices, and embedded software to collect and analyze system performance during test. MS&I funding is used to adapt/integrate current Army training simulation capabilities to function with new Army systems, purchase commercial off-the-shelf systems, and develop and sustain OT-unique simulation and instrumentation systems. The MS&I program also funds the technical expertise and hardware to sustain cyber security of OTC's technology capabilities, and provides for minor data collection device development and sustainment to support systems undergoing OT.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: MS&I	13.705	13.985	-
Description: Develops and enhances ATEC's simulation/stimulation of Mission Command; Fire Support; Air Defense; Command, Control, Communications, and Computers Intelligence, Surveillance and Reconnaissance (C4ISR); and Network systems. Improves and sustains Real-Time Casualty Assessment (RTCA) capabilities. Develops, enhances, and sustains Performance Instrumentation Systems, Time Space Positioning Information (TSPI), Telemetry Systems, and Imaging Systems together with their associated data management enabling capabilities.			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** 62C / *Modeling and Simulation Instrumentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
FY 2022 Plans: Plan is to sustain and invest in ATEC's test capabilities to provide operationally realistic multi-domain operations with modern kinetic and non-kinetic threat effects during test events for the following Army modernization efforts: Extended Range Cannon Artillery, Armored Multi-Purpose Vehicle, Patriot, Lower Tier Air Missile Defense Sensor/Radar Set, Assured Position Navigation and Timing, Guided Multiple Launch Rocket System - Extended Range (GMLRS-ER), Next Generation Squad Weapons, Synthetic Training Environment, Command Post Integrated Infrastructure, Blackhawk (UH-60V), Global Combat Support System, Distributed Common Ground System - Army (DCGS-A), Nuclear Biological Chemical Reconnaissance Vehicle Sensor Suite Upgrade Chemical Surface Detector, and Cross-Functional Team Soldier-Centered Design events. Program will align requirements with Army modernization priorities in support of the National Defense Strategy. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.			
Title: FY2022 SBIR/STTR Transfer ***FY 2022 Plans:*** Funding transferred in accordance with Title 15 USC ?638. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Funding transferred in accordance with Title 15 USC ?638.	-	0.529	-
Accomplishments/Planned Programs Subtotals	13.705	14.514	-

	FY 2021	FY 2022
Congressional Add: Space and Missile Cyber Security ***FY 2021 Accomplishments:*** Congressional Add for Space and Missile Cyber Security.	30.000	-
Congressional Adds Subtotals	30.000	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** 62C / *Modeling and Simulation Instrumentation*

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army			Date: April 2022
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605602A / *Army Technical Test Instrumentation and Targets*	Project (Number/Name) FJ3 / *Technical Test Instrumentation & Targets*	

COST ($ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
FJ3: *Technical Test Instrumentation & Targets*	-	-	-	37.962	-	37.962	38.176	38.146	38.141	38.513	0.000	190.938
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.

A. Mission Description and Budget Item Justification

This Project provides critical front-end investments for development of: new test methodologies and standards; advanced test technology concepts; future test capabilities; advanced development of modeling, simulation, and instrumentation prototypes; advanced instrumentation prototypes; and the full scale development of test and evaluation capabilities for the United States (U.S) Army Test and Evaluation Command (ATEC). ATEC employs modeling, simulation, and instrumentation to provide a realistic multi-domain operational (MDO) test environment with modern threat effects, conduct test monitoring and control, and perform data analysis to enable essential transformation and support the Joint Force through development of MDO-capable forces. ATEC investments include organically developed capabilities as well as adaptation of capabilities developed by others (e.g., government, academia) or commercial-off-the-shelf products. These capabilities are located at, and managed by, ATEC T&E activities (excluding West Desert Test Center) and employed at ATEC ranges and other designated test locations across the country. Maintaining and modernizing ATEC T&E capabilities is critical to enable Army Futures Command (AFC) modernization efforts and readiness and support the development and fielding cycle of all Army acquisition programs including rapid fielding initiatives and programs of record.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Technical Test Instrumentation & Targets	-	-	37.825
Description: Develops, acquires, and sustains critical test technology and instrumentation to successfully develop, test, and evaluate Army weapons and equipment. Provides hardware/software and communication to create realistic relevant test environments, real-time range operations for monitoring participants, and data support systems for full integration. Provides the necessary live, virtual and constructive environment, hardware-in-the-loop capabilities, and modeling and simulation needed for testing Army materiel solutions. Acquires instrumentation to measure performance of Command, Control, Communication and Computer (C4) systems; reliability, availability, and maintainability (RAM) data collection on tracked and wheeled vehicles; ballistic transducers for measuring chamber pressures during ammunition and barrel tests; supports development of common data collection instrumentation and data management systems used in testing across all test commodity areas and lifecycles; continues replacement and upgrade of range control instrumentation, radar, optics and telemetry used in missile testing; acquires data recorders, signal conditioning equipment, data processing equipment and other instrumentation for various aircraft tests;			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** FJ3 / *Technical Test Instrumentation & Targets*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
upgrades natural environments test instrumentation used for testing weapon systems, vehicles, munitions and support equipment in extreme hot desert environments as well as extreme cold conditions; continues upgrade of survivability/vulnerability test capabilities in support of live fire testing; upgrades and replaces mobile range communications equipment and digital end devices; and improves test efficiency through the use of smart devices as data collectors. ***FY 2023 Plans:*** ATEC OTC will maintain and invest in test and evaluation capabilities to provide a realistic multi-domain operational 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. ATEC test centers will continue to provide, acquire, and upgrade instrumentation for C4ISR, RAM, automotive, ballistics, missile, aviation and environmental testing across all test commodity areas and enhance/expand the use of common data collectors, smart devices, and enterprise data management tools. Examples include Aberdeen Test Center (ATC) Crew Survivability Instrumentation during Live Fire Test and Evaluation (LFT&E) to support NGCV; Electronic Proving Ground (EPG) Phoenix Architecture project for support to C4 network systems; Yuma Proving Ground (YPG) Long Range Precision Fires (LRPF) test support equipment; White Sands Missile Range (WSMR) Directed Energy Laser test modernization, and Redstone Test Center's (RTC) Modular Open System Architecture (MOSA) for supporting Future Vertical Lift (FVL) testing. ***FY 2022 to FY 2023 Increase/Decrease Statement:***			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Army		Date: April 2022
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605602A / *Army Technical Test Instrumentation and Targets*	**Project (Number/Name)** FJ3 / *Technical Test Instrumentation & Targets*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
In FY23 two projects that funds ATEC's test and evaluation capability investment requirements were consolidated to a single account: (1) 665602628 / Project 628, Developmental Test Technology and Sustainment and (2) 66560262C / Project 62C, Modeling and Simulation Instrumentation to PE 665602FJ3 / Project FJ3, Technical Test Instrumentation and Targets.			
Title: Army Enterprise Business Systems (EBS) Consolidation ? Test Data Management System (TDMS) ***Description:*** The Army consolidated Enterprise Business Systems (EBS) under the Acquisition Domain. The consolidation resulted in the transfer of funding $137K in support of the Test Data Management System (TDMS). TDMS is the system by the White Sands Missile Range to manage test data and perform program management of all missions performed on the range. ***FY 2023 Plans:*** WSMR is performing an analysis to determine the efficacy of the continuance of the use of TDMS. The funding for TDMS will transfer back to EE PEG in POM24-28 to allow for synergy of execution utilizing our existing funding sources. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Increase in funding provides TDMS contractor support to maintain the systems to allow for data collection.	-	-	0.137
Accomplishments/Planned Programs Subtotals	-	-	37.962

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A