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

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605601A / <i>Army Test Ranges and Facilities</i>
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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	-	362.223	417.567	439.118	-	439.118	461.129	454.155	448.841	452.807	0.000	3,035.840
F30: <i>Army Test Ranges & Facilities</i>	-	362.223	417.567	375.008	-	375.008	401.845	394.794	389.402	393.290	0.000	2,734.129
WD1: <i>West Desert Test Center</i>	-	-	-	64.110	-	64.110	59.284	59.361	59.439	59.517	0.000	301.711

Note

In FY24, this Program element (PE) will receive funding which has been transferred from appropriation 0400, PE 0605384BP Chemical & Biological Defense Program (RDT&E Management Support) to the Army 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.

A. Mission Description and Budget Item Justification

This Program Element (PE) provides the institutional funding required to operate developmental test activities in accordance with Public Law 107-314 (National Defense Authorization Act for Fiscal Year 2003) Section 232 ("Objective for institutional funding of test and evaluation facilities") in support of Department of Defense (DoD) Program Executive Officers, Program and Product Managers, Research, Development, and Engineering Centers and to the Army Futures Command (AFC). Resources provided by this PE operate eight elements of the DoD Major Range and Test Facility Base (MRTFB): White Sands Test Center (WSTC) - White Sands Missile Range (WSMR), New Mexico; Aberdeen Test Center (ATC) - Aberdeen Proving Ground (APG), Maryland; Electronic Proving Ground (EPG) - Fort Huachuca, Arizona; Yuma Test Center (YTC) - Yuma Proving Ground (YPG), Arizona; Cold Regions Test Center (CRTC) - Fort Greely, Alaska; Tropic Regions Test Centers (TRTC) at various locations; and West Desert Test Center (WDTC) and Bio Testing Division (BTD) at Dugway Proving Ground (DPG), Utah. This PE also funds the Army's test capability at Redstone Test Center (RTC) - Redstone Arsenal, Alabama.

This PE finances the overhead (institutional) test operating costs not billable to DoD test customers per DoD Instruction (DoDI) 3200.18 and DoD Financial Management Regulation (DoDFMR) 7000.14-R, which include: recurring test infrastructure/capability sustainment requirements; replacement of test equipment; test operating procedures; and test revitalization/upgrade projects to maintain \$8.6 billion of testing capabilities; and improvements to the safety, environmental protection, and efficiency of test operations. The test capabilities at these ranges have been uniquely established and are designated as national assets needed to support test and evaluation (T&E) requirements of funded acquisition programs, and are required to assure technical performance, adherence to safety requirements, reliability, logistics supportability, Title 10 Live Fire Test and Evaluation, transportability, environmental effects, cyber, electromagnetic effects, and quality of materiel in development and in production.

This PE sustains the T&E capability required to support Army Modernization as well as other Army, Joint, or Other Service systems, materiel, and technologies. Types of systems scheduled for testing include, but are not limited to: Aircraft, Air Delivery, Unmanned Aerial Systems, Counter Unmanned Aerial Systems, Air and Missile Defense Systems, Engineering Equipment, Direct fire, Indirect fire, Ammunition, Automotive Systems both manned and unmanned, Intelligence Surveillance and Reconnaissance, Ground Soldier Systems, Missiles, Rockets, Mission Command Network, Tactical Command, Control, and Communications, Robotics/Unmanned Autonomous Systems, Soldier Lethality, Assured Position, Navigation and Timing, Title 10 Live-Fire Survivability, Nuclear survivability, directed energy, and extreme natural environments. These T&E capabilities enable Army Futures Command modernization efforts and readiness.

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605601A / <i>Army Test Ranges and Facilities</i>
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This funding line supports testing of Army Modernization Priority Programs.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	367.125	401.643	370.357	-	370.357
Current President's Budget	362.223	417.567	439.118	-	439.118
Total Adjustments	-4.902	15.924	68.761	-	68.761
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	16.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-4.902	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	68.761	-	68.761
• FFRDC Transfer	-	-0.076	-	-	-

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: F30: *Army Test Ranges & Facilities*

Congressional Add: *Program Increase: Counter-Unmanned Aerial System High Energy Laser Platform Integration*

Congressional Add: *Environmental Characterization for Test Operations*

Congressional Add: *Enterprise Enabled Multi Domain Operations (EEMDO) Cyber Testing*

Congressional Add Subtotals for Project: F30

Congressional Add Totals for all Projects

	FY 2022	FY 2023
	10.000	-
	3.000	4.000
	-	12.000
Congressional Add Subtotals for Project: F30	13.000	16.000
Congressional Add Totals for all Projects	13.000	16.000

Change Summary Explanation

In FY24:

Transfer of 23 direct authorizations with associated civilian labor costs and funding for the sustainment and enhancement of the Four-Dimensional Weather System (4DWX) from PE 0605702A / Project 128, Meteorological Support to RDT&E Activities to PE 0605601A / Project F30, Army Test Ranges & Facilities. (+ \$4.7M)

Transfer of 13 direct authorizations with associated civilian labor costs from 0605602A / FJ3, Technical Test Instrumentation and Targets to APE 0605601A / F30, Army Test Ranges & Facilities (+\$1.9M)

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Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605601A / <i>Army Test Ranges and Facilities</i>	

Functional Transfer of program and funding from the Chemical & Biological Defense Program to Army. In FY24, this PE will realign from appropriation 0400, PE 0605384BP Chemical & Biological Defense Program (RDT&E Management Support) to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center. (+\$64.1M)

Inflation (i.e., Civilian Pay, etc.): (+\$10.4M)

Army Senior Leader Full Time Equivalent (FTE) and Emerging Growth Billpayer Reductions (-91 FTEs total) (-\$12.1M)

ARCYBER- C4IM Services Support to WSMR Total obligation authority adjustment.: (-\$0.2M)

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army										Date: March 2023		
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605601A / Army Test Ranges and Facilities				Project (Number/Name) F30 / Army Test Ranges & Facilities			
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
F30: Army Test Ranges & Facilities	-	362.223	417.567	375.008	-	375.008	401.845	394.794	389.402	393.290	0.000	2,734.129
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY24, 23 direct authorizations will transfer from PE 0605702A / Project 128, Meteorological Support to RDT&E Activities to PE 0605601A / Project F30, Army Test Ranges & Facilities.

In FY24 funding for the sustainment and enhancement of the Four-Dimensional Weather System (4DWX) will transfer from PE 0605702A / Project 128, Meteorological Support to RDT&E Activities to PE 0605601A / Project F30, Army Test Ranges & Facilities.

A. Mission Description and Budget Item Justification

This Project provides the institutional funding required to operate developmental test activities IAW Public Law 107-314 (National Defense Authorization Act for Fiscal Year 2003) Section 232 ("Objective for institutional funding of test and evaluation facilities") in support of DoD Program Executive Officers, Program and Product Managers, Research, Development, and Engineering Centers and to the AFC. Resources provided by this Project operate six elements of the DoD MRTFB: WSTC - WSMR, New Mexico; ATC - APG, Maryland; EPG - Fort Huachuca, Arizona; YTC - YPG, Arizona; CRTC - Fort Greely, Alaska; and TRTC at various locations. This Project also funds the Army's test capability at RTC - Redstone Arsenal, Alabama.

This Project finances the overhead (institutional) test operating costs not billable to DoD test customers per DoDI 3200.18 and DoDFMR 7000.14-R, which include: recurring test infrastructure/capability sustainment requirements; replacement of test equipment; test operating procedures; test revitalization/upgrade projects to maintain \$8.6 billion of testing capabilities; and improvements to the safety, environmental protection, and efficiency of test operations. The test capabilities at these ranges have been uniquely established, are considered national assets, and are in place to support T&E requirements of funded acquisition programs, and are required to assure technical performance, adherence to safety requirements, reliability, logistics supportability, Title 10 Live Fire Test and Evaluation, transportability, environmental effects, cyber, electromagnetic effects, and quality of materiel in development and in production.

This Project sustains the T&E capability required to support Army Modernization as well as other Army, Joint, or Other Service systems, materiel, and technologies. Types of systems scheduled for testing include, but are not limited to: Aircraft, Air Delivery, Unmanned Aerial Systems, Counter Unmanned Aerial Systems, Air and Missile Defense Systems, Engineering Equipment, Direct fire, Indirect fire, Ammunition, Automotive Systems both manned and unmanned, Intelligence Surveillance and Reconnaissance, Ground Soldier Systems, Missiles, Rockets, Mission Command Network, Tactical Command, Control, and Communications, Robotics/Unmanned Autonomous Systems, Soldier Lethality, Assured Position, Navigation and Timing, Title 10 Live-Fire Survivability, Nuclear survivability, directed energy, and extreme natural environments. These T&E capabilities enable Army Futures Command modernization efforts and readiness.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Army		Date: March 2023		
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605601A / Army Test Ranges and Facilities	Project (Number/Name) F30 / Army Test Ranges & Facilities		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>Title: Mission Support</p> <p>Description: Funds support: test capability sustainment and maintenance of equipment, test facility maintenance, calibration requirements, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, test support vehicle maintenance, mission unique installation costs, temporary duty/training of civilian and contractor personnel, certifications, printing and reproduction, communications, land leases, and range road maintenance. Funding supports indirect costs for MRTFB Activities (ATC, EPG, WSTC, YTC (including CRTC & TRTC)) IAW DoDI 3200.18 and DoDFMR 7000.14-R.</p> <p>FY 2023 Plans: Funds will modernize test capability technology, sustainment and maintenance of equipment, test facility maintenance, calibration requirements, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, test support vehicle maintenance, mission unique installation costs, temporary duty/training of civilian and contractor personnel, certifications, printing and reproduction, communications, land leases, and range road maintenance. Funding supports indirect costs for MRTFB Activities (ATC, EPG, WSTC, YTC (including CRTC & TRTC)) IAW DODI 3200.18 and DODFMR 7000.14-R.</p> <p>FY 2024 Plans: Funds will continue to support test capability sustainment and maintenance of equipment, test facility maintenance, calibration requirements, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, test support vehicle maintenance, mission unique installation costs, temporary duty/training of civilian and contractor personnel, certifications, printing and reproduction, communications, land leases, and range road maintenance. Funding supports indirect costs for MRTFB Activities (ATC, EPG, WSTC, YTC (including CRTC & TRTC)) IAW DODI 3200.18 and DODFMR 7000.14-R.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase in funding will support sustainment of test capabilities which will enable ATEC to focus on ensuring test capabilities remain viable and ready to support future Army priorities.</p>		74.395	86.777	101.224
<p>Title: T&E Civilian Pay</p> <p>Description: This funding supports the overhead costs of the civilian labor for Program Budget Guidance (PBG) authorizations. The balance is customer funded. The test customer pays all direct costs that are directly attributable to the use of a test facility or resource for testing of a particular program. Funding is essential to maintain core T&E skills as part of the Government civilian workforce used in support of Army modernization.</p> <p>FY 2023 Plans:</p>		167.947	175.681	179.338

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605601A / Army Test Ranges and Facilities	Project (Number/Name) F30 / Army Test Ranges & Facilities		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>Funds will continue to support the overhead costs of the civilian labor for PBG authorizations. The balance will be customer funded. The test customer will pay all direct costs directly attributable to the use of a test facility or resource for testing of a particular program. Funding will be essential to maintain core T&E skills as part of the Government civilian workforce.</p> <p>FY 2024 Plans: Funds will continue to support the overhead costs of the civilian labor for PBG authorizations. The balance will be customer funded. The test customer will pay all direct costs directly attributable to the use of a test facility or resource for testing of a particular program. Funding will be essential to maintain core T&E skills as part of the Government civilian workforce.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation and civilian pay raise assumptions.</p>				
<p>Title: Contractor Support</p> <p>Description: This funding supports contractor labor costs not billable to customers. Contract labor is essential to augment core civilian T&E personnel with additional capabilities and/or capacity. Functions performed include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support. For some skillsets, there are no government civilians performing the work.</p> <p>FY 2023 Plans: Funds will continue to support contractor labor costs not billable to the customer. Contract labor will be essential to augment core civilian T&E personnel. Functions performed will include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support.</p> <p>FY 2024 Plans: Funds will continue to support contractor labor costs not billable to the customer. Contract labor will be essential to augment core civilian T&E personnel. Functions performed will include range operations, automotive test support, radar maintenance, warehousing support, project management, maintenance of support fleet aircraft, recurring/general maintenance to test facilities and data acquisition support.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Reflects adjustments in the contractor workforce to focus on only Army priority workload in future years.</p>		60.535	59.225	44.424
<p>Title: Revitalization/Upgrade</p>		-	23.022	5.000

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Description: Funds support the revitalization/upgrade of critical test infrastructure and capabilities. MRTFB elements are required to use institutional funding to sustain, upgrade or create capabilities that support multiple customers. Funding will be focused on improving T&E capabilities for Army Modernization Programs and other high priority acquisition systems.</p> <p>FY 2023 Plans: Funds will continue to support the revitalization/upgrade of critical test infrastructure and capabilities. MRTFB elements will be required to use institutional funding to sustain or upgrade capabilities that support multiple customers. Funding will be focused on improving T&E capabilities for the highest priority Army modernization efforts such as Air and Missile Defense (AMD), Long Range Precision Fires (LRPF), Assured Position, Navigation, and Timing (APNT), Future Vertical Lift (FVL), and Unified Network.</p> <p>FY 2024 Plans: Funds will continue to support the revitalization/upgrade of critical test infrastructure and capabilities. MRTFB elements will be required to use institutional funding to sustain or upgrade capabilities that support multiple customers. Funding will be focused on improving T&E capabilities for the highest priority Army modernization efforts such as Air and Missile Defense (AMD), Long Range Precision Fires (LRPF), Assured Position, Navigation, and Timing (APNT), Future Vertical Lift (FVL), and Unified Network.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funds allocated based on program requirements in support of the sustainment of critical test infrastructure and capabilities supporting Army modernization across five MRTFB elements.</p>			
<p>Title: Physical Security Guards and Equipment</p> <p>Description: Funding supports security guard forces mandated by regulations and annual vulnerability assessments for ATEC's surety-related test sites which are positioned on isolated and remote locations. Funding supports required training and exercises, to include annual vulnerability assessments and guard force support to Nuclear Accident or Incident Response and Assistance (NAIRA) and Chemical Incident/Mishap Response and Assistance (CIMRA). These guards secure and protect ATEC's Fast Burst Nuclear Reactor (FBR) at White Sands Test Center (WSTC) located at White Sands Missile Range (WSMR) IAW Army Regulation (AR) 190-54 (Security of Nuclear Reactors and Special Nuclear Materials). The guards also secure and protect the Chemical and Biological (Chem/Bio) facilities at West Desert Test Center (WDTC) located at Dugway Proving Ground (DPG) IAW AR 190-59 (Chemical Agent Security Program) and AR 190-17 (Biological Agents and Toxins Security Program). These surety facilities maintain chemical, biological, radiological, nuclear, and explosive (CBRNE) materials and agents in order to test the effects and effectiveness of defensive or protective equipment and measures. Physical security equipment consists of electronic security systems (ESS) composed of access/egress control systems, various camera systems, sensors and detection arrays, and Intrusion Detection Systems (IDS). Costs include sustainment of maintenance contracts for equipment not included in the Army inventory. This equipment is necessary to secure arms rooms, ammunition, explosives (AA&E) storage facilities at the FBR, and Chem/Bio surety sites. Physical security equipment is critical to maintain current security requirements as directed in: AR</p>	11.836	10.821	10.459

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>190-54, AR 190-56, AR 190-59, AR 190-17, AR 190-11, AR 190-13, and AR 190-51. Funding enables ATEC to sustain support to Army Modernization and its expanded requirements to include large increases in volume of test planning and test. Additionally, funding addresses increases in physical security and guard force requirements in support of ATEC's assignment of direct support mission to Army Futures Command (AFC) and associated requirements to include support to major exercises including Project Convergence and EDGE. Funding provides training and certification of guards to operate and maintain ESS equipment and qualification of all weapon systems and surety-related personal protective equipment (PPE) requisite to their surety security missions.</p> <p>FY 2023 Plans: Funds will support physical security guard operations, mandatory training, qualifications and for maintenance and sustainment of weapons, GSA leased vehicles, communications, and ESS equipment at the FBR at WSTC located at WSMR and Chemical/Biological facilities at WDTC located at DPG. Funding supports Army priorities shift to modernization and associated expansion of test mission and support to AFC-led RDT&E major events.</p> <p>FY 2024 Plans: Funds will support physical security guard operations, mandatory training, qualifications and for maintenance and sustainment of weapons, GSA leased vehicles, communications, and ESS equipment at the FBR at WSTC located at WSMR and Chemical/Biological facilities at WDTC located at DPG. Funding supports Army priorities shift to modernization and associated expansion of test mission and support to AFC-led RDT&E major events.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decrease due to adjustments within the security guard requirement.</p>				
<p>Title: UH-60 Aircraft</p> <p>Description: This funding supports the Aviation Restructure Initiative endorsed by the SECDEF. Funding supports aircraft maintenance, aircrew labor, mandatory training, and aircraft flying hours. IAW DoDI 3200.18 and DoDFMR 7000.14-R, these costs are not billable to the test customers. UH-60 helicopters are used to provide essential logistical, sensor platform and aerial photo/video documentation support for developmental testing.</p> <p>FY 2023 Plans: Funds will support UH-60 helicopter maintenance, aircrew labor, mandatory training and aircraft flying hours.</p> <p>FY 2024 Plans: Funds will continue to support UH-60 helicopter maintenance, aircrew labor, mandatory training and aircraft flying hours.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>		6.749	7.693	8.912

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
Increase due to contract changes, operating costs, and inflation.				
<p>Title: Network Enterprise Center (NEC)</p> <p>Description: This funding supports the NEC operations for WSMR and YPG. Funding supports manpower and contracts, support equipment and associated costs specifically identified and measurable to plan, manage, coordinate, and execute Communication, Network, and Information Technology Services Management.</p> <p>FY 2023 Plans: Funds will continue to support all labor, support equipment, and training required for the NEC operations at WSMR and YPG.</p> <p>FY 2024 Plans: Funds will continue to support all labor, support equipment, and training required for the NEC operations at WSMR and YPG.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to inflation.</p>		14.002	14.084	14.167
<p>Title: Cybersecurity Service Provider (CSSP)</p> <p>Description: This requirement supports compliance with DoD Directive (DoDD) 8530.1 and DoDI, which directed that all component information systems and computer networks be assigned to a certified CSSP and that all information systems and computer networks must enter into a service agreement with a CSSP. United States (U.S.) Army Cyber Command (ARCYBER) Operations Order (OPORD) 2014-224 directed all Commands/Direct Reporting Units (DRU) to take immediate measures to ensure Army assets connected to Defense Research and Engineering Network (DREN) and Secure Defense Research and Engineering Network (SDREN) enclaves are aligned with the U.S. Army Research Laboratory as their CSSP to ensure cyber defense oversight and information security continuous monitoring going forward.</p> <p>FY 2023 Plans: Funds will continue to support cyber defense oversight and continuous monitoring of information security.</p> <p>FY 2024 Plans: Funds will continue to support cyber defense oversight and continuous monitoring of information security.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding increase due to inflation.</p>		1.704	1.713	1.722
<p>Title: Military Construction (MILCON) Mission Unique Equipment (MUE)</p> <p>Description: MUE is defined as equipment that regulation identifies as "above standard" and necessary to fulfill the specific mission performed in the constructed new facility. MUE generally consists of personal property items that fall under the AR 420-1</p>		6.950	14.623	-

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>definition of equipment-in-place and is not programmed into the MILCON. MUE funding includes procurement and installation of new equipment; and also costs to move existing equipment to be retained into newly constructed facilities. The standard process for MILCON programming is through the Army FIP process managed by AMC; however, ATEC has also had projects added directly through Congressional Legislation.</p> <p>FY 2023 Plans: Funds will provide the bulk of the MUE (\$14.623) for the WSTC Information Systems Facility (ISF) funded MILCON project. The MUE must be procured starting in FY23 in order to be on hand to transfer data lines to new systems after physical construction is completed. Delay in USG receipt/provision of MUE puts the ISF ability to be fully mission capable at risk, while existing legacy systems and facility will need to maintain full functionality at increased costs.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decreased funding in FY24 due to MUE not needed in support of a MILCON project.</p>				
<p>Title: MRTFB Organizational Logistics Activities</p> <p>Description: In FY20, Army policy changed requiring organizational logistics functions be funded by organizational units and not the Army Material Command's Logistics Readiness Centers (LRC). This funding supports those organizational logistics activities previously provided by LRCs to WSTC located at WSMR, YTC located at YPG and WDTC located at DPG. These activities provide a wide range of logistics support services including but not limited to asset management/property book support; equipment maintenance/ repair of ATEC owned maintenance significant items; small arms gaging and repair, dispatch of Army Owned/General Services Administration (GSA) vehicles and equipment; retail fuel support for vehicles and ground power generation equipment; 41 Code of Federal Regulations (CFR) Part 102-34 Subpart J - Federal Fleet Report performance data collected through the Federal Automotive Statistical Tool (FAST); ammunition quality assurance and surveillance; driver's licensing; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p>FY 2023 Plans: This funding supports MRTFB organizational logistics activities providing support to WSTC located at WSMR, YTC located at YPG and WDTC located at DPG. These activities provide a wide range of organizational logistics support services including but not limited to asset management/property book support; equipment maintenance/repair of ATEC owned maintenance significant items; small arms gaging and repair, dispatch of Army Owned/General Services Administration (GSA) vehicles and equipment; retail fuel support for vehicles and ground power generation equipment; 41 CFR Part 102-34 Subpart J - Federal Fleet Report performance data collected through the Federal Automotive Statistical Tool (FAST); driver's licensing; ammunition quality assurance and surveillance; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p>FY 2024 Plans:</p>		4.737	6.975	7.084

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>Funds will support logistics activities providing support to WSTC located at WSMR, YTC located at YPG and WDTC located at DPG. These LRC activities provide a wide range of logistics support services including but not limited to asset management/ property book support; equipment maintenance/repair of ATEC owned maintenance significant items; small arms gaging and repair, dispatch of Army Owned/GSA vehicles and equipment; forward fuel support for vehicles and ground power generation equipment; 41 CFR Part 102-34 Subpart J - Federal Fleet Report performance data collected through the Federal Automotive Statistical Tool (FAST); ammunition quality assurance and surveillance; equipment authorization and utilization reporting; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding increase due to inflation.</p>				
<p>Title: ARCYBER- C4IM Services Support to WSMR</p> <p>Description: 3 CMEs- Provide contract support (C4IM services) at WSMR to non-Defense Research and Engineering Network (DREN) customers IAW MOA with ATEC. Supports IMCS contract for touch labor.</p> <p>FY 2023 Plans: The Fort Bliss Network Enterprise Center (NEC) shall continue to migrate users and services from the White Sands network to the Fort Bliss Network. Fort Bliss does not have enough storage and computing capacity to migrate all the Servers and User Data to Fort Bliss. The NEC requires additional storage and computing capacity to support these requirements. The system must integrate into the existing VMware platform, IFN architecture, and GFN architecture.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Decreased funding to support higher Army priorities.</p>		0.212	0.216	-
<p>Title: AMC / AFC Physical Security Officer Civ Pay</p> <p>Description: AMC / AFC Physical Security Officer Civ Pay</p> <p>FY 2023 Plans: AMC / AFC Physical Security Officer Civ Pay</p> <p>FY 2024 Plans: AMC / AFC Physical Security Officer Civ Pay</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Civilian pay raise assumptions.</p>		0.156	0.173	0.178
<p>Title: Army Enterprise Business Systems (EBS) Consolidation - SOMARDS Financial Management Information System (SOFIMS)</p>		-	0.221	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Description: The Army consolidated Enterprise Business Systems (EBS) under the Acquisition Domain. The consolidation resulted in the transfer of funding to support the SOMARDS Financial Management Information System (SOFIMS). SOFIMS is the system utilized by ATEC to manager contractor time in tracking completion of test and evaluation projects. It serves as a data entry portal for contractor and time and costs in the Army's General Fund Enterprise Business System (GFEBS).</p> <p>FY 2023 Plans: SOFIMS is due to sunset at the end of FY23 and be subsumed into a new business system, the ATEC Integrated Mission Management System (AIMMS).</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funds transferred from the Sustaining Program Evaluation Group (SS PEG) to the Equipping (EE) PEG for Army Enterprise Business Systems (EBS) Consolidation - SOFIMS.</p>			
<p>Title: SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 Plans: Funding transferred in accordance with Title 15 USC §638.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC §638.</p>	-	0.343	-
<p>Title: Four Dimensional Weather System (4DWX)</p> <p>Description: Provides funding for sustainment and enhancement of the 4DWX system, an advanced meteorological support system that provides high-resolution weather forecasts and analyzes. The 4DWX analyzes and forecasts the 3-dimensional structure of the atmosphere over time (4th dimension) and is used in test planning, conduct, and forensic analyses.</p> <p>FY 2024 Plans: Provides funding for sustainment and enhancement of the 4DWX system, an advanced meteorological support system that provides high-resolution weather forecasts and analyzes. The 4DWX analyzes and forecasts the 3-dimensional structure of the atmosphere over time (4th dimension) and is used in test planning, conduct, and forensic analyses. The funding is used to improve forecast accuracy in support of Army RDTE mission requirements, including the development of a full-grid climatology using 4DWX analysis and further development of probabilistic modeling, data assimilation procedures, and configuration of 4DWX to optimize test range specific requirements.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>	-	-	2.500

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
In FY24 funding for the sustainment and enhancement of the 4DWX system will transfer from PE 0605702A / Project 128, Meteorological Support to RDT&E Activities to PE 0605601A / Project F30, Army Test Ranges & Facilities.				
Accomplishments/Planned Programs Subtotals		349.223	401.567	375.008
		FY 2022	FY 2023	
Congressional Add: Program Increase: Counter-Unmanned Aerial System High Energy Laser Platform Integration		10.000	-	
FY 2022 Accomplishments: Program increase for management support for test and evaluation efforts in support of Counter-Unmanned Aerial System High Energy Laser Platform Integration. This project provides an integrated government-owned Counter-small Unmanned Aerial System (C-sUAS) capability for combat system experimentation and analysis to inform Tactics, Techniques, and Procedures for testing, training, and operational employment of high energy lasers for negating Unmanned Aerial System (UAS) threat systems. This project develops two assets, provides a training and test architecture and environment for soldier centered training and experimentation in an operational environment. Work performed by the Rapid Capabilities and Critical Technologies Office (RCCTO), in Huntsville, Alabama.				
Congressional Add: Environmental Characterization for Test Operations		3.000	4.000	
FY 2022 Accomplishments: Congressional Add for Environmental Characterization for Test Operations. FY 2023 Plans: Congressional Add for Environmental Characterization for Test Operations.				
Congressional Add: Enterprise Enabled Multi Domain Operations (EEMDO) Cyber Testing		-	12.000	
FY 2023 Plans: Congressional Add for Enterprise Enabled Multi Domain Operations (EEMDO) Cyber Testing.				
Congressional Adds Subtotals		13.000	16.000	
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				

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

Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605601A / Army Test Ranges and Facilities	Project (Number/Name) WD1 / West Desert Test Center
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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
WD1: West Desert Test Center	-	-	-	64.110	-	64.110	59.284	59.361	59.439	59.517	0.000	301.711
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

West Desert Test Center is a new start within the Army Test Ranges and Facilities program in FY 2024.

A. Mission Description and Budget Item Justification

This project provides funding for the West Desert Test Center (WDTC) and Combat Capability Development Command (DEVCOM) Chemical and Biological Center BioTesting Division (BTD-CBC) MRTFB institutional technical and operational capability for testing DoD Chemical and Biological (CB) and Non-Traditional Agent (NTA) defense materiel, equipment, and systems from concept through production to include associated special operations Tactics, Techniques, and Procedures Development (TTPD) activities.

Efforts included in this Project are:

- (1) BTD-CBC
- (2) WDTC

Together WDTC and BTD-CBC are the reliance centers for all DoD CB defense testing and provide the United States' only combined range, chamber, toxic chemical lab, and bio-safety level 3 Biological Select Agent and Toxin (BSAT) aerosol test capability. This project funds the institutional and overhead costs to operate WDTC and BTD-CBC in compliance with the National Defense Authorization Act (NDAA) for FY03 (Public Law 107-314), Section 232, "Objective for institutional funding of test and evaluation facilities." Institutional operating costs were transferred to the consolidated OSD Chemical and Biological Defense Program consistent with Public Law 103-160 Section 1701. Those costs that are directly attributable to the use of WDTC and BTD-CBC for testing and TTPD activities under a particular program, over and above the institutional and overhead costs, are billed to the program.

WDTC and BTD-CBC use unique, state-of-the-art chemical and life-science test facilities and test chambers to perform CB defense testing of protective gear, decontamination systems, detectors, equipment, and non-materiel CB defense solutions while maintaining safety, security, and surety of chemical agents and biological pathogens. WDTC also provides surveyed and instrumented outdoor ranges and specialized structures for CB simulant agent dissemination in operationally threat-relevant environments and TTPD activities.

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

	FY 2022	FY 2023	FY 2024
Title: BioTesting Division (BTD-CBC) - MRTFB	-	-	8.613
Description: Funding maintains MRTFB test and evaluation test and evaluation (T&E) mission readiness at Bio Testing Division for biological surety laboratory operations, bio-safety risk management, and defensive T&E mission support activities. Lothar			

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Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605601A / Army Test Ranges and Facilities	Project (Number/Name) WD1 / West Desert Test Center		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>Salomon Life Sciences Test Facility (LSTF) and Baker complex contains biosafety level (BSL) 1, 2, and 3 laboratories for testing biological weapons detectors, individual protective clothing and equipment, decontamination systems, and material survivability in a bioweapon contaminated environment. LSTF is the sole DoD Facility Certified to challenge developmental defensive test equipment with aerosolized biological warfare agents, including bacteria, viruses, and biological toxins, in BSL-3 chambers. Represents the MRTFB activity's institutional and overhead costs which cannot be charged to DoD MRTFB users in compliance with DoDI 3200.18 and DoDFMR 7000.14-R.</p> <p>FY 2024 Plans: Fund essential T&E mission support activities (civilian labor, travel, training, communications, printing and reproduction, supplies, equipment acquisition, contract support, and purchased equipment maintenance) maintaining mission readiness of the bioweapons defense technical T&E capability. These activities are resourced in compliance with DoDI 3200.18 and DoDFMR 7000.14-R.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: This is a new start in FY 2024</p>				
<p>Title: WDTC, MRTFB Civilian Pay</p> <p>Description: Supports civilian labor overhead costs for Program Budget Guidance (PBG) authorizations and the balance is customer funded. Test customers pay all costs directly attributable to the use of a test facility or resource for testing of a particular program. Funding is essential to maintain core T&E skills as part of the Government civilian workforce used in support of the Chemical Biological Defense Program (CBDP) mission. WDTC provides a specially trained support staff to operate and maintain all critical testing systems.</p> <p>FY 2024 Plans: Funds will support overhead costs of civilian labor for PBG authorizations, and the balance will be customer funded. Test customers will continue to pay all costs directly attributable to the use of a test facility or resource for testing of a particular program. Funding will remain essential to maintain core T&E skills as part of the Government civilian workforce used in support of the CBDP mission. WDTC will continue to provide a specially trained support staff to operate and maintain all critical testing systems.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: This is a new start in FY 2024</p>		-	-	29.373
<p>Title: WDTC, MRTFB Mission Support</p> <p>Description: Provides for ongoing sustainment of existing chemical test instrumentation and equipment at WDTC necessary for chemical laboratories, chemical/biological field and simulant chamber, data science test mission readiness, and staff functions</p>		-	-	13.754

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
<p>not chargeable to a test customer. Supports annual service contracts for test equipment operations, diagnostics, calibration, and certification, as well as routine life cycle and use-related replacement of existing field, test related administrative, and analytical instrumentation components and systems. Supports test facility maintenance, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, mission unique installation costs, temporary duty/training of civilian and contractor personnel, personnel certifications, printing, reproduction, and communications. Funding supports indirect costs for MRTFB IAW DoDI 3200.18 and DoD FMR 7000.14-R.</p> <p>FY 2024 Plans: Funds will provide sustainment of existing test instrumentation and equipment at WDTC in support of operations to maintain mission readiness of chemical laboratories, chemical/biological field and simulatant chamber capabilities of test data and staff functions not chargeable to a test customer. Support annual service contracts for equipment operation, diagnostics, and calibration, as well as a routine life cycle and use-related replacement of existing field, administrative, and analytical instrumentation components, and systems. Support test facility maintenance, handling, and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, mission unique installation costs, temporary duty/training of civilian and contractor personnel, certifications, printing, reproduction, and communications. Funds will continue to support indirect costs for MRTFB IAW DoDI 3200.18 and DoD FMR 7000.14-R.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: This is a new start in FY 2024</p>				
<p>Title: WDTC, MRTFB Contractor Support</p> <p>Description: Supports contractor labor costs not billable to customers. Contract labor is essential to augment core civilian T&E personnel with additional capabilities and/or capacity as well as assist with the operation and maintenance of critical testing systems. Functions performed include chemical and biological analysis, field support, planning, report documentation as well as range operations, warehousing support, project management, recurring/general maintenance to test facilities and data acquisition support. For some skillsets, there are no government civilians performing the work.</p> <p>FY 2024 Plans: Funds will support contractor labor costs not billable to test customers. Contract labor is essential to augment core civilian T&E personnel with additional subject matter expertise, capabilities and/or capacity. Functions performed will include chemical and biological analysis, test field support, planning, and test report documentation as well as range operations, warehousing support, project management support, recurring/general maintenance to test facilities and data acquisition support.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>		-	-	12.370

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
This is a new start in FY 2024			
Accomplishments/Planned Programs Subtotals	-	-	64.110

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

N/A

Remarks

D. Acquisition Strategy

N/A