

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2022 Army **Date:** May 2021

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

COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	356.231	390.351	354.227	-	354.227	-	-	-	-	-	-
F30: <i>Army Test Ranges &amp; Facilities</i>	-	356.231	390.351	354.227	-	354.227	-	-	-	-	-	-

**A. Mission Description and Budget Item Justification**

This Program Element (PE) provides the institutional funding required to operate 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 six 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; and Tropic Regions Test Centers (TRTC) at various locations. 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 \$8.7 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 in place 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 capabilities required to support Army as well as Joint Service 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, Unmanned Ground Vehicles, Air and Missile Defense Systems, Engineering Equipment, Direct fire, Indirect fire, Nonlethal weapons, Ammunition, Automotive Systems, Intelligence Surveillance and Reconnaissance, Ground Soldier Systems, Missiles, Rockets, Mission Command Network, Tactical Command, Control, and Communications, and Robotics/Unmanned Autonomous Systems. These T&E capabilities enable AFC modernization efforts and readiness.

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2022 Army	<b>Date:</b> May 2021
---	-----------------------

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

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>
Previous President's Budget	336.468	350.359	352.011	-	352.011
Current President's Budget	356.231	390.351	354.227	-	354.227
Total Adjustments	19.763	39.992	2.216	-	2.216
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	40.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	25.337	-			
• SBIR/STTR Transfer	-5.574	-0.008			
• Adjustments to Budget Years	-	-	2.216	-	2.216

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

**Project:** F30: *Army Test Ranges & Facilities*

Congressional Add: *Soil Research for Army Training Ranges*

Congressional Add: *Integrated Directed Energy Testing*

Congressional Add: *Distributed Environment for System-of-System Cybersecurity Testing*

Congressional Add Subtotals for Project: F30

Congressional Add Totals for all Projects

	<b>FY 2020</b>	<b>FY 2021</b>
	2.000	-
	-	15.000
	-	25.000
Congressional Add Subtotals for Project: F30	2.000	40.000
Congressional Add Totals for all Projects	2.000	40.000

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army										<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6					<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities				<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
F30: Army Test Ranges & Facilities	-	356.231	390.351	354.227	-	354.227	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This Project provides the institutional funding required to operate 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 \$8.7 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 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 as well as Joint Service 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, Unmanned Ground Vehicles, Air and Missile Defense Systems, Engineering Equipment, Direct fire, Indirect fire, Nonlethal weapons, Ammunition, Automotive Systems, Intelligence Surveillance and Reconnaissance, Ground Soldier Systems, Missiles, Rockets, Mission Command Network, Tactical Command, Control, and Communications, and Robotics/Unmanned Autonomous Systems. These T&E capabilities enable AFC modernization efforts and readiness.

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

	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<b>Title:</b> Mission Support	78.397	80.987	80.097
<b>Description:</b> 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.			

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<p><b>FY 2021 Plans:</b> 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 &amp; TRTC)) IAW DODI 3200.18 and DODFMR 7000.14-R.</p> <p><b>FY 2022 Plans:</b> 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 &amp; TRTC)) IAW DODI 3200.18 and DODFMR 7000.14-R.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Decrease due to PB22 inflation rates for non-pay and non-fuel purchases and fuel pricing adjustments.</p>				
<p><b>Title:</b> T&amp;E Civilian Pay</p> <p><b>Description:</b> 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&amp;E skills as part of the Government civilian workforce used in support of Army modernization.</p> <p><b>FY 2021 Plans:</b> 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&amp;E skills as part of the Government civilian workforce.</p> <p><b>FY 2022 Plans:</b> 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&amp;E skills as part of the Government civilian workforce.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b></p>		153.193	154.931	163.947

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
Increase due to inflation for civilian pay; the majority of the workforce is in the Acquisition Demonstration Program.				
<p><b>Title:</b> Contractor Support</p> <p><b>Description:</b> This funding supports contractor labor costs not billable to customers. Contract labor is essential to augment core civilian T&amp;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.</p> <p><b>FY 2021 Plans:</b> Funds will continue to support contractor labor costs not billable to the customer. Contract labor will be essential to augment core civilian T&amp;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><b>FY 2022 Plans:</b> Funds will continue to support contractor labor costs not billable to the customer. Contract labor will be essential to augment core civilian T&amp;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><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Increased contract workforce will allow ATEC to support the AFC prioritized ATEC workload and all AFC and other high priority programs.</p>		57.796	58.689	60.535
<p><b>Title:</b> Revitalization/Upgrade</p> <p><b>Description:</b> 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&amp;E capabilities for Army Modernization Programs and other high priority acquisition systems.</p> <p><b>FY 2021 Plans:</b> 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&amp;E capabilities for the highest priority Army programs such as PrSM and Future Long Range Assault Aircraft (FLRAA).</p> <p><b>FY 2022 Plans:</b></p>		7.532	18.740	5.000

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<p>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&amp;E capabilities for the highest priority Army programs such as PrSM and Future Long Range Assault Aircraft (FLRAA).</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> FY21 MILCON MUE funding programmed in support of ATEC's deferred MILCON projects was realigned during this budget year to fund Revitalization/Upgrade requirements of critical test infrastructure and capabilities at ATEC's MRTFBs.</p>				
<p><b>Title:</b> Physical Security Guards and Equipment</p> <p><b>Description:</b> Funding supports security guard forces mandated by regulations and annual vulnerability assessments for ATEC's surety-related test sites. Funding supports required training and exercises, to include annual vulnerability assessments and guard force support to NAIRAIA and CARIAs. 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&amp;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 190-54, AR 190-56, AR 190-59, AR 190-17, AR 190-11, AR 190-13, and AR 190-51. 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><b>FY 2021 Plans:</b> Funds will support physical security guard operations, mandatory training and qualifications and for maintenance and sustainment of equipment at the FBR at WSTC located at WSMR and Chem/Bio facilities at WDTC located at DPG.</p> <p><b>FY 2022 Plans:</b> Funds will support physical security guard operations, mandatory training and qualifications and for maintenance and sustainment of equipment at the FBR at WSTC located at WSMR and Chem/Bio facilities at WDTC located at DPG.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b></p>		11.157	11.492	11.836

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
Increase due to inflation for civilian pay and routine program adjustments.				
<p><b>Title:</b> UH-60 Aircraft</p> <p><b>Description:</b> 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><b>FY 2021 Plans:</b> Funds will support UH-60 helicopter maintenance, aircrew labor, mandatory training and aircraft flying hours.</p> <p><b>FY 2022 Plans:</b> Funds will support UH-60 helicopter maintenance, aircrew labor, mandatory training and aircraft flying hours.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Increase due to inflation and program requirements.</p>		4.493	5.246	5.325
<p><b>Title:</b> Network Enterprise Center (NEC)</p> <p><b>Description:</b> 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><b>FY 2021 Plans:</b> Funds will support all labor, support equipment, and training required for the NEC operations at WSMR and YPG.</p> <p><b>FY 2022 Plans:</b> Funds will continue to support all labor, support equipment, and training required for the NEC operations at WSMR and YPG.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Increase due to inflation and routine program adjustments.</p>		12.587	13.786	14.002
<p><b>Title:</b> Cybersecurity Service Provider (CSSP)</p> <p><b>Description:</b> 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</p>		1.615	1.679	1.704

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<p>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><b>FY 2021 Plans:</b> Funds will support cyber defense oversight and continuous monitoring of information security.</p> <p><b>FY 2022 Plans:</b> Funds will continue to support cyber defense oversight and continuous monitoring of information security.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Funding increase due to inflation.</p>				
<p><b>Title:</b> Military Construction Mission Unique Equipment (MUE)</p> <p><b>Description:</b> In 2017, the Army programmed ATEC's top six Military Construction (MILCON) projects in response to Congressional interest in the lack of investment and sustainment of MRTFBs and the associated risk to the development of future technology. This unanticipated event resulted in an emergent requirement for the necessary MUE associated with each project. MUE includes items that are movable and not affixed as an integral part of the facility, but are required to perform the mission of the facility. Since then, two additional MILCON projects were programmed; one in FY24 and the other in FY25. In 2019, ATEC's FY18 and FY19 MILCON projects were deferred due to the National Emergency at the Southern Border, but were subsequently restored by the SECDEF; one each in FY20 and FY21. In 2020, ATEC's FY22-26 MILCON projects were deferred out of the POM with the exception of two projects in FY23.</p> <p><b>FY 2021 Plans:</b> Funds will provide MUE for the WSTC Information Systems Facility programmed MILCON project. The White Sands Test Center (WSTC) Information Systems Facility (ISF) will serve as the main hub to inter-connect internal and external White Sands Missile Range (WSMR) data and voice networks used by all test programs, range operations, and other DOD organizations.</p> <p><b>FY 2022 Plans:</b> Funds will provide for the EPG Ground Transport Equipment Building (GTEB), the WSTC Information Systems Facility, and the RTC Aircraft Test Instrumentation and Integration Facility (ATIIF) programmed MILCON projects in FY22. The ATIIF will play a vital role in RTC's ability to support three high priority programs - all related to Future Vertical Lift (FVL). The programs are the Future Attack Reconnaissance Aircraft (FARA), Future Long-Range Assault Aircraft (FLRAA), and Improved Turbine Engine (ITE) equipment. The GTEB will support the testing, evaluation, instrumentation, and integration of all ground support equipment with electronic warfare and intelligence, surveillance and reconnaissance systems.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b></p>		-	0.064	6.950

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021		
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities		
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
Increase based on program requirements of three MILCON projects at EPG, WSMR, and RTC.				
<p><b>Title:</b> MRTFB Logistics Activities</p> <p><b>Description:</b> In FY20, Army policy changes requiring organizational logistics functions be funded by organizational units and not LRCs. 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; forward fuel support for vehicles and ground power generation equipment; driver's licensing; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p><b>FY 2021 Plans:</b> Funds will support organizational logistics requirements for WSTC located at WSMR, YTC located at YPG, and WDTC located at DPG that that were previously funded by LRCs . These organizational logistics requirements include but are 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; driver's licensing; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p><b>FY 2022 Plans:</b> Funds will support organizational logistics requirements for WSTC located at WSMR, YTC located at YPG and WDTC located at DPG that were previously funded by LRCs. These organizational logistics requirements include but are 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; driver's licensing; and transportation support for inbound and outbound equipment, freight and cargo.</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Funds are allocated based on program requirements.</p>		1.774	4.369	4.459
<p><b>Title:</b> ARCYBER- C4IM Services Support to WSMR</p> <p><b>Description:</b> 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><b>FY 2021 Plans:</b> The Fort Bliss Network Enterprise Center (NEC) will 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</p>		0.199	0.205	0.210

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army	<b>Date:</b> May 2021
--	-----------------------

<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities
--	---	---

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2020	FY 2021	FY 2022
<p>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><b>FY 2022 Plans:</b> 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><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Change is due to program requirement adjustments.</p>			
<p><b>Title:</b> AMC / AFC Physical Security Officer Civ Pay</p> <p><b>Description:</b> AMC / AFC Physical Security Officer Civ Pay</p> <p><b>FY 2021 Plans:</b> AMC / AFC Physical Security Officer Civ Pay</p> <p><b>FY 2022 Plans:</b> AMC / AFC Physical Security Officer Civ Pay</p> <p><b>FY 2021 to FY 2022 Increase/Decrease Statement:</b> Funding change reflects planned lifecycle of this effort.</p>	0.151	0.163	0.162
<p><b>Title:</b> Coronavirus Aid, Relief, and Economic Security (CARES) Act</p> <p><b>Description:</b> Supports Section 3610 of HR748, the CARES Act, to fund civilian and contractor labor shortfall resulting from lost customer reimbursements due to customers cancelling/delaying tests as the result of the COVID-19. Test cancellations and delays due to COVID-19 have caused an unfunded increase to ATEC's projected institutional operating account.</p>	25.337	-	-
<b>Accomplishments/Planned Programs Subtotals</b>	354.231	350.351	354.227

	FY 2020	FY 2021
<b>Congressional Add:</b> Soil Research for Army Training Ranges	2.000	-
<b>FY 2020 Accomplishments:</b> FY20 Congressional Add for Soil Research for Army Training Ranges.		
<b>Congressional Add:</b> Integrated Directed Energy Testing	-	15.000

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2022 Army		<b>Date:</b> May 2021	
<b>Appropriation/Budget Activity</b> 2040 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605601A / Army Test Ranges and Facilities	<b>Project (Number/Name)</b> F30 / Army Test Ranges & Facilities	
		<b>FY 2020</b>	<b>FY 2021</b>
<p><b>FY 2021 Plans:</b> Program increase supporting management support for test, and evaluation efforts and funds to sustain and/or modernize test ranges by creating a center for high energy laser testing at White Sands Missile Range.</p> <p>Immediate upgrades required to meet increased demand to enable T&amp;E and experimentation of advanced directed energy weapon systems. Funding will provide new equipment and infrastructure needed to meet imminent time frames to address three of the six Army modernization priorities, while delivering a foundation for more comprehensive long term solutions to meet future requirements.</p> <p>Work executed under the direction of the Rapid Capabilities and Critical Technologies Office.</p>			
<p><b>Congressional Add:</b> Distributed Environment for System-of-System Cybersecurity Testing</p> <p><b>FY 2021 Plans:</b> Congressional Add to support Cybersecurity Vulnerability and Assessment Test Environment (CVATE) at Redstone Test Center.</p>		-	25.000
<b>Congressional Adds Subtotals</b>		2.000	40.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
N/A			