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Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Army **Date:** April 2022

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605898A / <i>Army Direct Report Headquarters - R&D - MHA</i>
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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	-	50.859	48.981	53.271	-	53.271	55.674	56.724	56.750	57.295	0.000	379.554
FJ2: <i>Army SHARP RDTE</i>	-	1.541	1.529	1.244	-	1.244	1.248	1.247	1.248	1.247	0.000	9.304
M65: <i>Army Test and Evaluation Command</i>	-	49.153	47.452	52.027	-	52.027	54.426	55.477	55.502	56.048	0.000	370.085
XW7: <i>Command HQ - ARI</i>	-	0.165	-	-	-	-	-	-	-	-	0.000	0.165

A. Mission Description and Budget Item Justification

This funding line supports testing of Army Modernization Priority Programs.

This Program Element (PE) provides funding for the salaries and related personnel benefits for authorized civilian personnel positions that provide for the management functions and the technical direction of the United States (U.S.) Army Test and Evaluation Command (ATEC) mission located at Aberdeen Proving Ground (APG), Maryland (Project M65 Army Test and Evaluation Command). It also provides funds supporting similar functions at the United States (U.S.) Army Research Institute for the Behavioral and Social Sciences (Project XW7 Command HQ - ARI), and provides funds for Army Headquarters to study and improve the Sexual Harassment / Assault Response and Prevention program (Project FJ2 Army SHARP RDTE).

ATEC plans, conducts and integrates developmental testing, independent operational testing, independent evaluations, and assessments to provide essential information to Soldiers and acquisition decision makers supporting the American Warfighter. Additionally, ATEC provides Direct Support to Army Futures Command (AFC). ATEC provides testing and independent evaluation support to AFC Cross Functional Team (CFT) efforts including risk reduction support to experiments, demonstrations, requirements, research, development, and acquisition. As such, ATEC priorities are aligned to the Army's Modernization priorities.

Project M65 includes staff/management functions to include: human resources, safety, security, environmental, strategic planning, operations, engineering and logistics, resource management, test capabilities management, policy and standardization, public affairs, legal, Inspector General, Equal Opportunity, and information/ technology support for command-wide databases in support of the developmental, evaluation and operational test mission with technical direction to the Army Evaluation Center (AEC), APG, Maryland; to the Operational Test Command (OTC), Fort Hood, Texas which consists of three forward Test Directorates (Airborne and Special Operations Test Directorate, Fort Bragg, North Carolina; Air Defense Artillery Test Directorate, Fort Bliss, Texas; and the Fires Test Directorate, Fort Sill, Oklahoma) together with four other Test Directorates (Aviation; Maneuver; Mission Command; Maneuver Support and Sustainment) at Ft Hood, Texas; and to the seven Major Range and Test Facility Base (MRTFBs) and one non-MRTFB test range: Aberdeen Test Center (ATC) at APG, Maryland; West Desert Test Center (WDTC) at Dugway Proving Ground (DPG), Utah; Electronic Proving Ground (EPG) at Fort Huachuca, Arizona; White Sands Test Center (WSTC) at White Sands Missile Range (WSMR), New Mexico; Yuma Test Center (YTC) at Yuma Proving Ground (YPG), Arizona; Cold Regions Test Center (CRTC) at Fort Greely, Alaska; and Tropic Regions Test Center (TRTC) at various locations, as well as for Redstone Test Center (RTC) at Redstone Arsenal, Alabama. This is the operating budget for ATEC Headquarters, which provides technical direction for the annual execution of approximately 2,300 developmental tests; approximately 52 operational events; and approximately 1100 Evaluation and Safety documents supporting Army Signature Modernization Efforts and other acquisition programs. It also provides funding to address enterprise level operating

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requirements that support the entire command and its three missions. ATEC's total authorized workforce amounts to a \$1.8 billion program in direct and reimbursable funding.

Project XW7 provides the non-Army Management Headquarters Activity (non-AMHA) management and administrative support that enables the U.S. Army Research Institute for the Behavioral and Social Sciences (ARI) to accomplish its research mission and includes personnel/manpower execution and oversight. ARI's behavioral and social science research provides effective non-materiel solutions to help the Army adjust to changes in force size and structure, a variety of mission demands and contexts, challenges in human relations, and budgetary constraints. ARI is the only Science and Technology (S&T) laboratory that conducts research to enhance the Soldier lifecycle (e.g., selection, assignment, training, and leader development).

Project FJ2 provides Army Management Headquarters a critical research capability to improve the Army Sexual Harassment / Assault Response and Prevention (SHARP) program, with a specific focus on prevention.

This PE does not finance test facility operations, test instrumentation, or test equipment.

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	54.564	52.108	0.000	-	0.000
Current President's Budget	50.859	48.981	53.271	-	53.271
Total Adjustments	-3.705	-3.127	53.271	-	53.271
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-3.000			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-3.705	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	53.271	-	53.271
• FFRDC Transfer	-	-0.127	-	-	-

Change Summary Explanation

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

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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
FJ2: Army SHARP RDTE	-	1.541	1.529	1.244	-	1.244	1.248	1.247	1.248	1.247	0.000	9.304
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project funds contracts that cover critical research needs of the Army Sexual Harassment / Assault Response and Prevention (SHARP) Office and the greater Army with a specific focus on prevention. Ongoing efforts to meet the first goal will explore the nature of sexual harassment in the Army, identify the organizational costs related to harassment (e.g., increased turnover, lower job satisfaction, and job performance), and examine the role of sexual harassment as it relates to sexual assault within the continuum of harm. Based on these studies, the performer will recommend effective sexual harassment prevention strategies. Studies will ensure that Army SHARP programs build climates for dignity and respect free of sexual harassment.

To meet the second goal, studies will examine behavioral patterns in offending within military sexual assault cases. For instance, behavioral patterns may reveal the nature of military sexual assault or identify potential vulnerabilities that could lead someone to perpetrate sexual assault. Studies may also be informed by offender patterns observed in research using administrative data sources. Based on this research, the performer will identify ways to reduce risk of sexual offending behavior, recommend ways to improve skills and abilities that will bolster one's ability to engage in healthy relationships, and inform effective sexual assault prevention practices.

To meet the third goal, research will (1) conduct male-specific assessments and (2) conduct other assessments that will assess the efficacy of training/prevention/outreach efforts related to sexual assault. The research will characterize the behaviors associated with military men's victimization and how they differ from those of service women, men's decision processes to file a formal report of sexual assault, and their experiences with the military sexual assault response systems. In particular, the research will focus on male victimization that occurred during military service rather than childhood sexual assault. Based on this research, the performer will identify ways to improve tailored recommendations for responding to and supporting male victims. This research will improve Department of Defense (DoD) prevention and response for male Service members. To meet the second part of this goal, the research may conduct assessments to evaluate the efficacy of training/prevention/outreach efforts related to sexual assault. This may involve conducting evaluation research to assess the effectiveness of individual programs or practices. Based on this research, the performer will determine whether these programs are effective and propose ways to improve SHARP efforts. This research will ensure that SHARP programs deliver effective training/ prevention/outreach.

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

	FY 2021	FY 2022	FY 2023
Title: Role Identifications	1.541	1.471	1.244
Description: Funding is required to ensure that Army SHARP is in compliance with multiple Service or DoD requirements. National Defense Authorization Act (NDAA) Requirement S585 (FY 2012) requires the development of Sexual Assault Prevention and Response (SAPR) curriculum for Service members and civilian employees, NDAA Requirement 1725c (FY 2014) requires the identification of qualifications needed for Service and civilian personnel who are assigned to positions that include SAPR functions, NDAA Requirement S1733 requires the review of SAPR training and recommendations for modification based on			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
<p>identified inadequacies, and NDAA Requirement S538 (FY 2016) dictates that the Services develop efforts to improve prevention and response for male victims of sexual assault. Conducting research to meet these requirements is a necessary step in ensuring that training, prevention and outreach activities are having the desired effect and impact on the Total Force.</p> <p>FY 2022 Plans: SHARP entered into a multi-year research plan that enables SHARP to develop evidence-based interventions for preventing and responding to ?sexual misconduct? in the Army. The knowledge and outcomes from the project will frame the follow-on research requirements to meet the goals and objectives of SHARP for prevention efforts to build climates for dignity and respect free of sexual harassment and assault.</p> <p>FY 2023 Plans: SHARP continues a multi-year research plan that enables SHARP to develop evidence-based interventions for preventing and responding to ?sexual misconduct? in the Army. The knowledge and outcomes from the project will inform the research requirements to meet the goals and objectives of SHARP in developing prevention strategies, policies, and assessment metrics. SHARP is implementing the People First Task Force requirements, OSD 90-day Independent Review Commission findings, and Senior Leader decisions for SHARP re-design, prevention-focused efforts, and required program assessments for People First Task Force Pilot of Fusion Directorates.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Decrease in funding to fund higher priorities within Army.</p>				
<p>Title: FY2022 SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC ?638.</p> <p>FY 2022 Plans: Funding transferred in accordance with Title 15 USC ?638.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC ?638.</p>		-	0.058	-
Accomplishments/Planned Programs Subtotals		1.541	1.529	1.244
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
MDEP:VSHP does not have any other Army Line Item associated with this project.				

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D. Acquisition Strategy
N/A

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605898A / Army Direct Report Headquarters - R&D - MHA				Project (Number/Name) M65 / Army Test and Evaluation Command			
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
M65: Army Test and Evaluation Command	-	49.153	47.452	52.027	-	52.027	54.426	55.477	55.502	56.048	0.000	370.085
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project provides funding for the salaries and related personnel benefits for the authorized civilian personnel positions that provide for the management functions and the technical direction of the United States (U.S.) Army Test and Evaluation Command (ATEC) mission located at Aberdeen Proving Ground (APG), Maryland. ATEC plans, conducts and integrates developmental testing, independent operational testing, independent evaluations, and assessments to provide essential information to Soldiers and acquisition decision makers supporting the American Warfighter. Additionally, ATEC provides Direct Support to the Army Futures Command (AFC). ATEC provides testing and independent evaluation support to AFC Cross Functional Team (CFT) efforts including risk reduction support to experiments, demonstrations, requirements, research, development, and acquisition. As such, ATEC priorities are aligned to the Army's Modernization priorities.

This Project includes staff/management functions to include: human resources, safety, security, environmental, strategic planning, operations, engineering and logistics, resource management, test capabilities management, policy and standardization, public affairs, legal, Inspector General, Equal Opportunity, and information/ technology support for command-wide databases in support of the developmental, evaluation and operational test mission with technical direction to the Army Evaluation Center (AEC), APG, Maryland; to the Operational Test Command (OTC), Fort Hood, Texas which consists of three forward Test Directorates (Airborne and Special Operations Test Directorate, Fort Bragg, North Carolina; Air Defense Artillery Test Directorate, Fort Bliss, Texas; and the Fires Test Directorate, Fort Sill, Oklahoma) together with four other Test Directorates (Aviation; Maneuver; Mission Command; Maneuver Support and Sustainment) at Ft Hood, Texas; and to the seven Major Range and Test Facility Base (MRTFBs) and one non-MRTFB test range: Aberdeen Test Center (ATC) at APG, Maryland; West Desert Test Center (WDTC) at Dugway Proving Ground (DPG), Utah; Electronic Proving Ground (EPG) at Fort Huachuca, Arizona; White Sands Test Center (WSTC) at White Sands Missile Range (WSMR), New Mexico; Yuma Test Center (YTC) at Yuma Proving Ground (YPG), Arizona; Cold Regions Test Center (CRTC) at Fort Greely, Alaska; and Tropic Regions Test Center (TRTC) at various locations, as well as for Redstone Test Center (RTC) at Redstone Arsenal, Alabama. This is the operating budget for ATEC Headquarters, which provides technical direction for the annual execution of approximately 2,300 developmental tests; approximately 52 operational events; and approximately 1100 Evaluation and Safety documents supporting Army Signature Modernization Efforts and other acquisition programs. It also provides funding to address enterprise level operating requirements that support the entire command and its three missions. ATEC's total authorized workforce amounts to a \$1.8 billion program in direct and reimbursable funding.

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

	FY 2021	FY 2022	FY 2023
Title: ATEC	49.153	47.327	50.993
Description: Civilian labor and other support required to manage and administer the Army test and evaluation mission at ATEC. ATEC plans, conducts and integrates developmental testing, independent operational testing, independent evaluations,			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
<p>assessments and experiments to provide essential information to Soldiers and acquisition decision makers supporting the American Warfighter.</p> <p>FY 2022 Plans: Will continue to fund authorized civilian salaries, associated operating expenses (supplies, equipment, travel, software licensing, etc.) and other support required to manage and administer the Army test and evaluation mission at ATEC. Contractual requirements include: minor maintenance and repair operations that support multiple ATEC facilities, an on-site Information Technology (IT) Help Desk that provides computer hardware and software troubleshooting solutions to the ATEC workforce, sustainment operations for multiple ATEC focused Defense Business Systems (DBS) such as US Army Test and Evaluation Command Decision Support Systems (ADSS) , Video Tele-Conferencing (VTC) hardware procurement and operational maintenance support to ensure that ATEC leadership is able to interface with both Army senior leadership and subordinate commands, property book and divestiture support that maintains accountability of Army equipment.</p> <p>FY 2023 Plans: Will continue to fund authorized civilian salaries, associated operating expenses (supplies, equipment, travel, software licensing, etc.) and other support required to manage and administer the Army test and evaluation mission at ATEC. Contractual requirements include: minor maintenance and repair operations that support multiple ATEC facilities, an on-site Information Technology (IT) Help Desk that provides computer hardware and software troubleshooting solutions to the ATEC workforce, sustainment operations for multiple ATEC focused Defense Business Systems (DBS) such as US Army Test and Evaluation Command Decision Support Systems (ADSS) , Video Tele-Conferencing (VTC) hardware procurement and operational maintenance support to ensure that ATEC leadership is able to interface with both Army senior leadership and subordinate commands, property book and divestiture support that maintains accountability of Army equipment.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: The FY22 Appropriation Conference reduced this HQ account by \$3M which will negatively impact ATEC's ability to fund support costs required to manage and administer the Army test and evaluation mission at ATEC. FY22 FFRDC reduction of \$77K.</p>				
<p>Title: Army Enterprise Business Systems (EBS) Consolidation? Command Decision Support Systems</p> <p>Description: The Army consolidated Enterprise Business Systems (EBS) under the Acquisition Domain managed by the Sustaining (SS PEG). The consolidation resulted in the transfer of funding \$1,034K from equipping (EE) PEG to the SS PEG in support of ATEC's Command Decision Support tools (Army Test and Evaluation Command Decision Support system (ADSS), Technology Development and Acquisition Program (TDAP), Test & Evaluation: US Army Test Facilities Register (TESTFACS), Versatile Information System Integrated Online Nationwide (VISION), and the Versatile Information System Integrated Online Nationwide SIPR (VISION-SIPR).</p>		-	-	1.034

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
<p>FY 2023 Plans: These systems (ADSS, TESTFACS, VISION-NIPR, VISION-SIPR) are 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 2022 to FY 2023 Increase/Decrease Statement: Funding is stable with contractor support to maintain the systems to allow for data collection.</p>			
<p>Title: FY2022 SBIR/STTR Transfer</p> <p>Description: Funding transferred in accordance with Title 15 USC ?638.</p> <p>FY 2022 Plans: Funding transferred in accordance with Title 15 USC ?638.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Funding transferred in accordance with Title 15 USC ?638.</p>	-	0.125	-
Accomplishments/Planned Programs Subtotals	49.153	47.452	52.027

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

N/A

Remarks

D. Acquisition Strategy

N/A

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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
XW7: Command HQ - ARI	-	0.165	-	-	-	-	-	-	-	-	0.000	0.165
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The United States (U.S.) Army Research Institute for the Behavioral and Social Sciences (ARI) is the only Science and Technology (S&T) laboratory that conducts research to enhance the Soldier lifecycle (e.g., selection, assignment, training, leader development) and human relations (e.g., culture of dignity, respect, and inclusion). This Project supports the non-Army Management Headquarters Activity (non-AMHA) management and administrative functions to enable ARI to accomplish its research mission and includes activities such as budget execution, procurement oversight, Research, Development, Test, & Evaluation (RDTE) program planning and evaluation, management control, security/safety, logistics, information technology, and personnel/manpower execution and oversight. ARI's behavioral and social science research provides effective non-materiel solutions to help the Army adjust to changes in force size and structure, a variety of mission demands and contexts, challenges in human relations, and budgetary constraints.

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

	FY 2021	FY 2022	FY 2023
Title: Headquarters Support	0.165	-	-
Description: This project supports Civilian Pay and support ARI headquarters activities.			
Accomplishments/Planned Programs Subtotals	0.165	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A