Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army											Date: March 2024	
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army* / BA 6: *RDT&E Management Support*					R-1 Program Element (Number/Name) PE 0605326A / *Concepts Experimentation Program*							
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
Total Program Element	-	83.668	95.551	86.645	-	86.645	86.068	87.147	94.103	95.044	0.000	628.226
312: *Army/Joint Experimentation*	-	33.678	35.982	15.061	-	15.061	15.133	15.312	15.276	15.200	0.000	145.642
317: *Current Force Capability Gaps*	-	49.970	59.555	50.041	-	50.041	48.962	49.422	55.967	56.527	0.000	370.444
33B: *Soldier-Centered Analyses For Future Force*	-	0.020	0.014	-	-	-	-	-	-	-	0.000	0.034
PC1: *Project Convergence (PC)*	-	-	-	21.543	-	21.543	21.973	22.413	22.860	23.317	0.000	112.106

Note

In FY 2025, $21.500M realigned from Project 312: Army/Joint Experimentation to Project PC1: Project Convergence (PC) .

A. Mission Description and Budget Item Justification

The Army Concepts Experimentation Program supports current and future concepts and capabilities involving Soldiers and Leaders within live, virtual, and constructive environments by exploring concepts, capability requirements and solutions across Doctrine, Organization, Training, Materiel, Leadership and Education, personnel, and Facilities (DOTMLPF) domains. The purpose of Concepts Experimentation is to clarify and mitigate risk for current and future forces. Experiments and projects inform Army futures concepts and assess high-risk conceptual assumptions in order to focus required capabilities and represent user requirements in the future Army, to field the Army of 2030 and design the Army of 2040. Army experiments use the combined resources of Army Battle Laboratories, operational units, research labs, materiel developers, industry and academia to collaborate in the development, refinement, and assessment of future force concepts. Simulated Experiments (SIMEX) will integrate and assess Army Concepts and Force Design phases with Army-level issues across the breadth of a campaign that highlights validation and integration of MDO capabilities.

This Program Element (PE) enhances Joint Capabilities Integration and Development System (JCIDS) development in support of Program Executive Offices (PEOs) and Program Managers (PMs) for acquisition milestone decisions. Funding ensures AFC/FCC serves as the voice of the warfighter and compliments the materiel developer in providing total capability management ensuring the integration of DOTMLPF solutions. This PE resources the Army's Continuous Learning Campaign, currently known as Project Convergence (PC). PC is the Army's campaign of learning based on a continuous, structured series of demonstrations and experiments, designed to aggressively advance and integrate our Army's contributions to Joint Force overmatch. It ensures the Army, as part of the Joint fight, can rapidly and continuously integrate or "converge" effects across all domains to overmatch our adversaries in competition and conflict. PC is part of the Army's intent to achieve a full Multi-Domain Operations (MDO) capability by 2035. Capstone is the periodic, joint, multinational experiment within Project Convergence that pulls together concepts, technology, gaps, and requirements at scale for the Army of 2030 and 2040 and applies them to the Indo-Pacific and European theaters. Capstone experiments on ways to defeat our pacing threat in the Indo-Pacific and the five key functions the Army performs in this theater: building and defending bases, command and control for Combined Joint Force (CJF), sustaining logistical supply lines, defensive fires through long-range precision strikes, and counter-attack forces. In addition, Capstone experiments against near-peer adversaries in the European theater, against which the CJF demonstrates pulsed operations to enable a land-centric exploitation. Capstone focuses

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Army	Date: March 2024
Appropriation/Budget Activity 2040: *Research, Development, Test & Evaluation, Army I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0605326A *I Concepts Experimentation Program*

on Army 2040 with the immediate need to integrate select technologies into Army 2030 to keep the Army ahead of our peers and on the leading edge of development. This PE provides funding for Defender, Forager, MDO Live. These experiments help the Army evaluate emerging concepts, new formations, integrate new technologies, and promote interoperability between the Army, other services and multinational partners. This PE also provides funding for Joint Warfighter Assessments (JWA) that physically integrate, assess and evaluate networked capability sets and other adaptive capabilities to accelerate the systems acquisition process of providing DOTMLPF recommendations to the Army. JWA is an integrated part of a series of linked Persistent Experiments (Defender, Forager, MDO Live, and Project Convergence) that help the Army evaluate emerging concepts, integrate new technologies, and promote interoperability between the Army, other services and multinational partners.

The Soldier-Centered Analysis Future Force Project (33B) will provide early application of human performance and human figure modeling tools in the development of Soldier-focused requirements to shape technology for Future Force development. These efforts include design analyses, constructive simulations, and Soldier-in-the loop assessments to ensure that manpower requirements and workload and skill demands are considered, avoiding information and physical task overloads and taking optimum advantage of aptitudes, individual and collective training, and numbers of Soldiers for an affordable Future Force.

B. Program Change Summary ($ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	86.824	95.551	86.470	-	86.470
Current President's Budget	83.668	95.551	86.645	-	86.645
Total Adjustments	-3.156	0.000	0.175	-	0.175
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.002	-			
• SBIR/STTR Transfer	-3.154	-			
• Adjustments to Budget Years	-	-	0.175	-	0.175

Change Summary Explanation

Minor increase in FY25 funding from the previous PB to the current PB due to revised economic assumptions.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605326A / *Concepts Experimentation Program*	Project (Number/Name) 312 / *Army/Joint Experimentation*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
312: *Army/Joint Experimentation*	-	33.678	35.982	15.061	-	15.061	15.133	15.312	15.276	15.200	0.000	145.642
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

In FY 2025, $21.500M realigned from Project 312: Army/Joint Experimentation to Project PC1: Project Convergence (PC) .

A. Mission Description and Budget Item Justification

Army and Joint Experimentation supports current and future concepts and capabilities involving Soldiers and Leaders within live, virtual, and constructive environments by exploring concepts, capability, and formation requirements, and solutions across Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) domains. The purpose of these efforts is to learn and mitigate risk for current and future forces. Experiments and multi-scale assessments inform Army future concepts and assess high-risk conceptual assumptions in order to focus required capabilities, formations and represent user requirements in the future Army. Army experiments use the combined resources of Army Battle Laboratories, operating force units, research laboratories, materiel developers, industry, and academia to collaborate in the development, refinement, and assessment of future force concepts, capabilities and formations at echelon. These experiments are typical in the Joint Warfighting Assessment (JWA) and Army Focused Warfighting Experiments (AFWE)., This project also supports the Army's Simulation-Based Experiments (SIMEX) to integrate and assess near, mid, and far-term future force concepts, force designs, and capabilities. In support of the Army Vision and Army Modernization Strategy, experimentation focuses on the latest Multi-Domain Operations (MDO) Concept, operational and organizational concepts for the Army to validate Army 2030 and provide insights into how the Army will design the Army of 2040 and beyond.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Experimentation - Project Convergence - High-Fidelity Live-Virtual-Constructive Experiments	33.678	35.982	-
Description: Experiments address concept and capability developments including integration of capabilities for all Brigade Combat Team (BCT) types; development of future DOTMLPF requirements and solutions; and acceleration and integration of capabilities for current force BCTs and above brigade. Project Convergence (PC) is the Army's campaign of learning designed to aggressively advance solutions in the areas of people, weapons systems, command and control, information, and terrain, and integrates the Army's contribution to Joint All Domain Operations. PC is a Secretary of the Army priority for Live Prototyping Experimentation in support of the AimPoint Force. Through experimentation and learning, PC helps ensure that the Army has the right people, with the right systems, appropriately enabled, in the right places to support the Joint fight. The Joint Warfighting Assessment (JWA) is the annual capstone force modernization exercise for the U.S. Army. JWA is designed to achieve an enduring three-fold purpose: (1) accelerate force modernization by integrating and assessing Multi Domain			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 312 / *Army/Joint Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Operations (MDO) concepts, capabilities, and formations at echelon (BCT to Theater Army/CJTF); (2) train a Joint, Interagency, and Multinational (JIM) force in a challenging and realistic operational environment of 2028; and (3) develop future strategic readiness and interoperability in the JIM warfighting team. Prototyping events are coordinated with CFTs and other Industry and Academic partners and utilizes live, force on force prototype-based experiments to assess the operational relevance of developing technologies, refine initial Operational and Organizational concepts, and conduct early prototyping to retain current advantages over adversaries, accelerate investments on contested future capabilities, and mitigate risk to the force. ***FY 2024 Plans:*** FY24 funding enables FCC/USAJMC to lead the Joint Warfighting Assessment (JWA), Project Convergence, 4 x Army Focused Warfighting Experiment (AFWE) assessments (AEWE, Cyber Quest, MSSPIX, MFIX), and other Live Field Experimentation activities. Resources 2 x FTEs in support of the Joint Test Element, 27 CMEs, and travel associated with assigned experimentation event travel. FY24 experiments will continue to address concept and capability developments including integration of capabilities for all BCT types; development of future DOTMLPF requirements and solutions; and acceleration and integration of capabilities for current force BCT's and above brigade. JMC executes PC24 IAW Army priorities to aggressively advance solutions in the areas of people, weapons systems, command and control, information, and terrain, and integrates the Army's contribution to Joint All Domain Operations. Through experimentation and learning, PC24 helps ensure that the Army has the right people, with the right systems, appropriately enabled, in the right places to support the Joint fight. JMC executes JWA 24 as the annual capstone force modernization exercise for the U.S. Army. JWA 24 will integrate and assess Multi Domain Operations (MDO) concepts, capabilities, and formations at echelon (BCT to Theater Army/CJTF); (2) train a Joint, Interagency, and Multinational (JIM) force in a challenging and realistic operational environment; and (3) develop future strategic readiness and interoperability in the JIM warfighting team. In FY24, the JTE continues to generate operational solutions to urgent, specific Joint Warfighter problems through a short-term rigorous test program process. ***FY 2024 to FY 2025 Increase/Decrease Statement:***			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 312 / *Army/Joint Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
In FY 2025, $21.500 million realigned from Project 312: Army/Joint Experimentation to Project PC1: Project Convergence (PC) and $15.013 million moved within Project 312 to new task title: Experimentation - AFWE - High-Fidelity Live-Virtual-Constructive Experiments and Simulation-Based Experiments.			
Title: Experimentation - AFWE - High-Fidelity Live-Virtual-Constructive Experiments and Simulation-Based Experiments	-	-	15.061
Description: Experiments address concept and capability developments including integration of capabilities for all Brigade Combat Team (BCT) types; development of future DOTMLPF requirements and solutions; and acceleration and integration of capabilities for current force BCTs and above brigade. The Joint Warfighting Assessment (JWA) is the annual capstone force modernization exercise for the U.S. Army. JWA is designed to achieve an enduring three-fold purpose: (1) accelerate force modernization by integrating and assessing Multi Domain Operations (MDO) concepts, capabilities, and formations at echelon (BCT to Theater Army/CJTF); (2) train a Joint, Interagency, and Multinational (JIM) force in a challenging and realistic operational environment of 2028; and (3) develop future strategic readiness and interoperability in the JIM warfighting team. Prototyping events are coordinated with CFTs and other Industry and Academic partners and utilizes live, force on force prototype-based experiments to assess the operational relevance of developing technologies, refine initial Operational and Organizational concepts, and conduct early prototyping to retain current advantages over adversaries, accelerate investments on contested future capabilities, and mitigate risk to the force. ***FY 2025 Plans:*** FY25 funding enables FCC/USAJMC to lead the Joint Warfighting Assessment (JWA), 4 x Army Focused Warfighting Experiment (AFWE) assessments (AEWE, Cyber Quest, MSSPIX, MFIX), other Live Field Experimentation activities and Simulation-Based Experiments (SIMEX). Resources 2 x FTEs in support of the Joint Test Element, 27 CMEs, and travel associated with assigned experimentation event travel. FY25 experiments will continue to address concept and capability developments including integration of capabilities for all BCT types; development of future DOTMLPF requirements and solutions; and acceleration and integration of capabilities for current force BCT's and above brigade. JMC executes JWA 25 as the annual capstone force modernization exercise for the U.S. Army. JWA 25 will: (1) integrate and assess Multi Domain Operations (MDO) concepts, capabilities, and formations at echelon (BCT to Theater Army/CJTF); (2) train a Joint, Interagency, and Multinational (JIM) force in a challenging and realistic operational environment; and (3) develop future strategic readiness and interoperability in the JIM warfighting team.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 312 / *Army/Joint Experimentation*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
In FY25, the JTE continues to generate operational solutions to urgent, specific Joint Warfighter problems through a short-term rigorous test program process. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase for administrative title change to provide further clarity on the AFWE, JWA, and other Live Field Experimentation activities.			
Accomplishments/Planned Programs Subtotals	33.678	35.982	15.061

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605326A / *Concepts Experimentation Program*	Project (Number/Name) 317 / *Current Force Capability Gaps*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
317: *Current Force Capability Gaps*	-	49.970	59.555	50.041	-	50.041	48.962	49.422	55.967	56.527	0.000	370.444
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project enables the Army to develop, integrate and help synchronize capability requirements and solutions into the operational force to meet the Army's goal to deliver Army 2030 and Design Army 2040. Funding ensures that the Warfighter is independently represented by, complementing the materiel and non-material developers, providing total capability management that integrates all doctrine, organization, training, materiel, leadership and education, personnel, and facilities (DOTMLPF) considerations. This project provides resources to execute Capability Development and Integration Directorate (CDID) Battle Lab experimentation, assessments and analysis addressing the Army's most significant modernization challenges. The Army plans and conducts experiments to gain insights and recommendations in the development of integrated concepts and requirements to inform Army Senior Leader modernization decisions through the results of a rigorous Campaign of Learning. Funding in this project enables maintenance of the Army Capability- based Architecture Development and Integration Environment (ArCADIE) providing storage, accessibility, production, and certification of authoritative architecture data and supporting systems. ArCADIE enables the process to develop, verify and validate operational architecture for eight major BCT formations.

Funding in FY24 ensures continuation of requirement determination, documentation, and integration. This will include areas of Maneuver, Soldier, Robotic, and Engineer capability development, Air Defense and Artillery formations, Sustainment watercraft and maneuver support vehicles, intelligence systems and sensors, and Cyber Army Capability Managers (ACM) areas of Cyberspace, Networks and Services, Electromagnetic Spectrum Operations and Tactical Radios. Cyber ACMs provide support to the Army's Cyber priorities and Cross Functional Team efforts. Funding ensures highly technical requirements development expertise for the Multi-Domain Task Force (MDTF). This ensures use of highly technical expertise to provide quick-response systems engineering support for Multi Domain Operations, MDTF, and other high-priority study areas.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Requirements Determination	22.165	34.769	30.860
Description: This accomplishment is a renaming of previous CDID/ACM JCIDS Requirements Documentation accomplishment to update organizational names and terminology. The AFC/FCC team facilitates requirements determination in coordination with the Joint Requirements Oversight Council (JROC) and in coordination with the Assistant Secretary of the Army for Acquisition, Logistics, and Technology (ASA(ALT)), which directs and ensures Milestone acquisition decisions are formally staffed and fully integrated across the Future Force Modernization Enterprise. Funding ensures AFC/FCC serves as the voice of the warfighter and compliments the materiel developer in providing total capability management ensuring the integration of all DOTMLPF solutions.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 317 / *Current Force Capability Gaps*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
FY 2024 Plans: Funding in FY24 ensures continuation of requirement determination, documentation and integration in support of all FCC CDIDs. This will include areas of Soldier and Robotic development, Air Defense and Artillery formations, Sustainment watercraft and maneuver support vehicles, and Cyber Army Capability Managers (ACM) areas of Cyberspace, Networks and Services, Electromagnetic Spectrum Operations and Tactical Radios. Cyber ACMs provide support to the Army's Cyber priorities and Cross Functional Team efforts. Funding ensures highly technical requirements development expertise for the Multi-Domain Task Force (MDTF). This ensures use of highly technical expertise to provide quick-response systems engineering support for Multi Domain Operations, MDTF, and other high-priority study areas. ***FY 2025 Plans:*** Funding in FY25 ensures continuation of requirement determination, documentation, and integration in support of all FCC CDIDs. This will include areas of Maneuver, Soldier, Robotic, and Engineer capability development, Air Defense and Artillery formations, Sustainment watercraft and maneuver support vehicles, intelligence systems and sensors, and Cyber Army Capability Managers (ACM) areas of Cyberspace, Networks and Services, Electromagnetic Spectrum Operations and Tactical Radios. Cyber ACMs provide support to the Army's Cyber priorities and Cross Functional Team efforts. Funding ensures highly technical requirements development expertise for the Multi-Domain Task Force (MDTF). This ensures use of highly technical expertise to provide quick-response systems engineering support for Multi Domain Operations, MDTF, and other high-priority study areas. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decrease in funding due to System of Systems Enhanced Small Unit (SESU) funds being no longer needed in FY25 due to requirement being satisfied.			
Title: Army Focused Warfighting Experiments (AFWE) ***Description:*** This accomplishment is a renaming of the above Accelerated Capabilities Development accomplishment to update mission and terminology. AFWE evolved from formerly known Army Live Prototyping Assessments. AFWE is full spectrum experimentation that examines new and innovative concepts and capabilities to support the Army's Force Design efforts to achieve the Army of 2040 as well as Combined Arms Center's Force Development equities to achieve the Army 2030. AFWE focuses beyond just materiel solutions by also looking at new organization designs, and how to fight tactics, techniques, and procedures to better inform development of the Army 2040. AFWE planning and event proposals are aligned to and incorporated into Project Convergence use case planning.	6.332	-	-
Title: Battle Lab Experimentation and Support	17.050	18.133	18.514

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 317 / *Current Force Capability Gaps*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Description: Funding allows CDID Battle Lab to execute experiments in support of Army modernization efforts. Experimentation informs concepts, requirements, material solutions, and DOTMLPF changes for critical capability gaps and informs Army Senior Leader modernization decisions through the results of rigorous deliberate learning. Experimentation enables the delivery of Army 2030 and identifies opportunities to modernize the Army of 2040. ***FY 2024 Plans:*** Funds provide FY24 CDID Battle Lab capacity in order for FCC to plan and execute experiments in order to refine and underpin concepts and requirements with analysis. Funds provide contracted functional SMEs, facilitation analysts, software and travel costs. ***FY 2025 Plans:*** Funding in FY25 ensures continuation of requirement determination, documentation, and integration in support of all FCC CDIDs. This will include areas of Maneuver, Soldier, Robotic, and Engineer capability development, Air Defense and Artillery formations, Sustainment watercraft and maneuver support vehicles, intelligence systems and sensors, and Cyber Army Capability Managers (ACM) areas of Cyberspace, Networks and Services, Electromagnetic Spectrum Operations and Tactical Radios. Cyber ACMs provide support to the Army's Cyber priorities and Cross Functional Team efforts. Funding ensures highly technical requirements development expertise for the Multi-Domain Task Force (MDTF). This ensures use of highly technical expertise to provide quick-response systems engineering support for Multi Domain Operations, MDTF, and other high-priority study areas. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase reflects planned lifecycle of the effort.			
Title: Army Capability-based Architecture Development and Integration Environment (ArCADIE) ***Description:*** ArCADIE is the Army's authoritative source for architecture data and supports the community of practice requirement. ArCADIE provides an environment into which applications, software, and new functionality can be integrated while preserving access and linkage to existing data and artifacts. It provides standardized tool sets and enables software license sharing to reduce costs. ArCADIE employs a federation strategy to provide one integrated data store, regardless of how and where data is stored, presented as one integrated data set. Stakeholders make extensive use of common core services within ArCADIE to eliminate redundancies and create efficiencies. ***FY 2024 Plans:***	0.408	0.653	0.667

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** 317 / *Current Force Capability Gaps*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
ArCADIE will be maintained to enable Army futures Command to develop, verify and validate operational architecture for Army 2030 and 2040 Multi Domain Formations. It will continue to serve as the authoritative architecture data and supporting systems in accordance with DoD and DA Information Assurance and management standards. ***FY 2025 Plans:*** ArCADIE will be maintained to enable Army futures Command to develop, verify and validate operational architecture for fielding the Army 2030 and the Concept 2040 Multi Domain Formations. It will continue to serve as the authoritative architecture data and supporting systems in accordance with DoD and DA Information Assurance and management standards. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Increase reflects planned lifecycle of the effort.			
Title: System of Systems Enhanced Small Unit (SESU) Focused Assessments ***Description:*** SESU is an Army/DARPA, CSA-directed project to support experimentation and demonstration of capabilities for small units. The Army is responsible to develop and execute virtual and live experimentation to evaluate SESU concepts, Adaptive C2 software, innovative sensors and effectors. ***FY 2024 Plans:*** FY24 funds final planning and execution for a full scale SESU experiment, against a pacing threat, in a real world type scenario. This will be the culminating exercise for the SESU effort prior to scheduled transition to capabilities development of select systems. Meets CSA intent for SESU capability. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Decreased funding due to requirement being no longer needed in FY25.	4.015	6.000	-
Accomplishments/Planned Programs Subtotals	49.970	59.555	50.041

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

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D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army												Date: March 2024
Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605326A / *Concepts Experimentation Program*				Project (Number/Name) 33B / *Soldier-Centered Analyses For Future Force*			
COST ($ in Millions)	**Prior Years**	**FY 2023**	**FY 2024**	**FY 2025 Base**	**FY 2025 OCO**	**FY 2025 Total**	**FY 2026**	**FY 2027**	**FY 2028**	**FY 2029**	**Cost To Complete**	**Total Cost**
33B: *Soldier-Centered Analyses For Future Force*	-	0.020	0.014	-	-	-	-	-	-	-	0.000	0.034
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project will provide early application of human performance and human figure modeling tools in the development of Soldier-focused requirements to shape technology for Future Force development. Efforts include design analyses, constructive simulations, and Soldier-in-the-loop assessments to ensure that manpower requirements and workload and skill demands are considered, avoiding information and physical task overloads and taking optimum advantage of aptitudes, individual and collective training, and numbers of Soldiers for an affordable Future Force.

The cited work is consistent with the Strategic Planning Guidance, the Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Manpower and Personnel Integration (MANPRINT)	0.020	0.014	-
Description: Provide dedicated modeling and analysis cell for early and accurate MANPRINT estimates to the U.S. Army Futures Command (AFC), DEVCOM and its Centers, The Research and Analysis Center, Schools and Centers of Excellence (CoEs), Army Test and Evaluation Command (ATEC) and other service laboratories. ***FY 2024 Plans:*** Will expand the digital library by developing 3D models of Soldier clothing and equipment items to perform early human figure modeling assessments of planned and/or prototypes of Army modernization platform designs and enhancements. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Effort completes under this Project in FY24.			
Accomplishments/Planned Programs Subtotals	0.020	0.014	-

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army			Date: March 2024
Appropriation/Budget Activity 2040 / 6	R-1 Program Element (Number/Name) PE 0605326A / *Concepts Experimentation Program*	Project (Number/Name) PC1 / *Project Convergence (PC)*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
PC1: *Project Convergence (PC)*	-	-	-	21.543	-	21.543	21.973	22.413	22.860	23.317	0.000	112.106
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

Project Convergence (PC) realigned from Project 312/ Army/Joint Experimentation to Project PC1/ Project Convergence within program element 0605326A (Concepts Experimentation Program) in FY2025.

A. Mission Description and Budget Item Justification

Army and Joint Experimentation supports current and future concepts and capabilities involving Soldiers and Leaders within live, virtual, and constructive environments by exploring concepts, capability, and formation requirements, and solutions across Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) domains. The purpose of these efforts is to learn and mitigate risk for current and future forces. Experiments and multi-scale assessments inform Army future concepts and assess high-risk conceptual assumptions in order to focus required capabilities, formations and represent user requirements in the future Army. These experiments are included in the Army's new campaign of learning based on a continuous, structured series of demonstrations and experiments called "Project Convergence" (PC). Army experiments use the combined resources of Joint Services, Army Battle Laboratories, Capability Development Integration Directorate's (CDID), Cross Functional Teams (CFT) operating force units, research laboratories, materiel developers, industry, and academia to collaborate in the development, refinement, and assessment of future force concepts, capabilities and formations at echelon. Capstone is the singular, periodic experiment that pulls together concepts, technology, requirements, and gaps and directly applies them to the 2040 battlefield. In support of the Army Vision and Army Modernization Strategy, experimentation focuses on the latest Multi-Domain Operations (MDO) Concept, operational and organizational concepts for the Army to field the Army of 2030 and modernize Army of 2040.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: Project Convergence	-	-	21.543
Description: Project Convergence is the Army's campaign of learning designed to aggressively advance solutions in the areas of people, weapons systems, command and control, information, and terrain, and integrates the Army's contribution to Joint All Domain Operations. PC is a Secretary of the Army priority for Live Prototyping Experimentation in support of the AimPoint Force. Through experimentation and learning, PC helps ensure that the Army has the right people, with the right systems, appropriately enabled, in the right places to support the Joint fight. Project Convergence ensures the Joint and Multinational force can rapidly and continuously integrate or converge effects across all domains through intelligence gathering, data sharing, interoperable systems to decide and act more rapidly against adversaries in competition and conflict. PC includes multiple experiments, including Capstone. Capstone is the event that brings everything together to help refine the understanding of 2040 and 2030.			
FY 2025 Plans:			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Army		Date: March 2024
Appropriation/Budget Activity 2040 / 6	**R-1 Program Element (Number/Name)** PE 0605326A / *Concepts Experimentation Program*	**Project (Number/Name)** PC1 / *Project Convergence (PC)*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Joint Modernization Command (JMC) executes PC/Capstone IAW Army priorities to aggressively advance solutions in the areas of people, weapons systems, command and control, information, and terrain, and integrates the Army's contribution to Joint All Domain Operations. Through experimentation and learning, PC/Capstone helps ensure that the Army has the right people, with the right systems, appropriately enabled, in the right places to support the Joint fight. Project Convergence ensures the Joint and Multinational force can rapidly and continuously integrate or converge effects across all domains through intelligence gathering, data sharing, interoperable systems to decide and act more rapidly against adversaries in competition and conflict. PC/Capstone is part of the Army's intent to achieve a full Multi-Domain Operations (MDO) capability by 2035. PC/Capstone experiments on ways to defeat our pacing threat in the Indo-Pacific and the five key functions the Army performs in this theater: building and defending bases, command and control for Combined Joint Force (CJF), sustaining logistical supply lines, defensive fires through long-range precision strikes, and counter-attack forces. In addition, PC/Capstone experiments against near-peer adversary in adversary in the European theater, against which the CJF demonstrates pulsed operations to enable a land-centric, exploitation. PC/Capstone focuses on Army 2040 with the immediate need to integrate select technologies into Army 2030 to keep the Army ahead of our peers and on the leading edge of development. This PE provides funding for Defender, Forager, MDO Live. These experiments help the Army evaluate emerging concepts, new formations, integrate new technologies, and promote interoperability between the Army, other services and multinational partners. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** FY 2025 increase due to realignment from Project 312/ Army/Joint Experimentation to Project PC1/ Project Convergence.			
Accomplishments/Planned Programs Subtotals	-	-	21.543

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

N/A

D. Acquisition Strategy

N/A