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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army	Date: March 2019
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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605103A / Rand Arroyo Center							
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	19.336	19.796	13.113	-	13.113	13.494	14.106	14.526	14.953	0.000	109.324
732: Arroyo Center Spt	-	19.336	19.796	13.113	-	13.113	13.494	14.106	14.526	14.953	0.000	109.324

A. Mission Description and Budget Item Justification

This Program Element (PE) funds the RAND Arroyo Center, the Department of the Army's Federally Funded Research and Development Center (FFRDC) for studies and analysis. The Arroyo Center draws researchers from RAND's staff of nearly 700 professionals trained in a broad range of disciplines. Most staff members work in RAND's principal locations: Santa Monica, California; Arlington, Virginia; and Pittsburgh, Pennsylvania. The RAND Arroyo Center provides for continuing analytical research across a broad spectrum of issues and concerns, grouped in four major research areas: Strategy, Doctrine, and Resources; Military Logistics; Manpower and Training; and Force Development and Technology. The RAND Arroyo Center research agenda is primarily focused on mid/long-term concerns. Results and analytical findings directly affect senior leadership deliberations on major issues. Arroyo Center research is sponsored by the Chief of Staff, Vice Chief, and Deputy Chiefs of Staff of the Army; the Army Assistant Secretaries; and Army major commands. The Arroyo Center receives Army guidance through the Arroyo Center Policy Committee (ACPC), which is co-chaired by the Vice Chief of Staff of the Army and the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The ACPC reviews, monitors, and approves the annual Arroyo Center research plan. Each research project is sponsored by a General Officer (or Senior Executive Service (SES) equivalent) who is continually involved in research evaluation and feedback. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis.

B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	20.140	19.821	19.913	-	19.913
Current President's Budget	19.336	19.796	13.113	-	13.113
Total Adjustments	-0.804	-0.025	-6.800	-	-6.800
• Congressional General Reductions	-0.016	-0.025			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.788	-			
• Adjustments to Budget Years	-	-	-6.800	-	-6.800

Change Summary Explanation

Fiscal Year (FY) 2020 decrease of \$6.800 Million aligns program requirements with Army modernization priorities in support of the National Defense Strategy.

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605103A / Rand Arroyo Center				Project (Number/Name) 732 / Arroyo Center Spt			
COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
732: Arroyo Center Spt	-	19.336	19.796	13.113	-	13.113	13.494	14.106	14.526	14.953	0.000	109.324
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Program Element (PE) funds the RAND Arroyo Center, the Department of the Army's Federally Funded Research and Development Center (FFRDC) for studies and analysis. The Arroyo Center draws researchers from RAND's staff of nearly 700 professionals trained in a broad range of disciplines. Most staff members work in RAND's principal locations: Santa Monica, California; Arlington, Virginia; and Pittsburgh, Pennsylvania. The RAND Arroyo Center provides for continuing analytical research across a broad spectrum of issues and concerns, grouped in four major research areas: Strategy, Doctrine, and Resources; Military Logistics; Manpower and Training; and Force Development and Technology. The RAND Arroyo Center research agenda is primarily focused on mid/long-term concerns. Results and analytical findings directly affect senior leadership deliberations on major issues. Arroyo Center research is sponsored by the Chief of Staff, Vice Chief, and Deputy Chiefs of Staff of the Army; the Army Assistant Secretaries; and Army major commands. The Arroyo Center receives Army guidance through the Arroyo Center Policy Committee (ACPC), which is co-chaired by the Vice Chief of Staff of the Army and the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The ACPC reviews, monitors, and approves the annual Arroyo Center research plan. Each research project is sponsored by a General Officer (or Senior Executive Service (SES) equivalent) who is continually involved in research evaluation and feedback. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis.

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

	FY 2018	FY 2019	FY 2020
Title: Research addressing manpower and training	4.890	-	-
Description: Addresses key issues for the Army, including recruiting and personnel fill requirements; reserve component readiness; leader development; training (major combat operations and stability operations skills); distance learning, simulation training development and application; training support systems; retention (active command/reserve command); officer career fields, selection, assignment sequencing; and medical forces and operations.			
Title: Research addressing force development and technology	4.780	-	-
Description: Addresses key issues for the Army, including systems and technology analysis; networks and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR); modeling and simulation; force and organizational development; acquisition policies; and assessment of tactics, techniques, and procedures.			
Title: Research addressing Army logistics	4.243	-	-
Description: Addresses key issues for the Army, including supply chain management; fleet management and modernization; logistics force development; and infrastructure management.			
Title: Research addressing strategies, doctrine, and resources	4.187	-	-

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019	FY 2020
Description: Addresses key issues for the Army, including the evolving operating environment; capabilities to face new challenges; partner capabilities; capabilities for stability operations; improvement of resource management; learning from past and present operations; and supporting Army wargames and analysis.				
Title: Research addressing military health Description: Addresses key issues for the Army, including the impact of deployment on soldiers and families; quality of Army health care; medical manpower requirements; medical readiness of soldiers and programs; and implications of advances in medical technology.		1.236	-	-
Title: Research addressing personnel, training, and health Description: Addresses key issues for the Army including: total workforce management; recruiting and retention; leader development; training, readiness and effectiveness; Soldier and family wellness and support. FY 2019 Plans: The Planned Study program covers key issues for the Army including: total workforce management; recruiting and retention; leader development; training readiness and effectiveness; Soldier and family wellness and support. Each research project is sponsored by a General Officer (or Senior Executive Service (SES) equivalent) who validates the need for the project and directly participates in research evaluation and iterative feedback. Project results are briefed to Army senior leaders to ensure recommendations are available for immediate consideration. FY 2020 Plans: The Planned Study program will cover key issues for the Army including: total workforce management; recruiting and retention; leader development; training readiness and effectiveness; Soldier and family wellness and support. Each research project will be sponsored by a General Officer (or Senior Executive Service (SES) equivalent) who validates the need for the project and directly participates in research evaluation and iterative feedback. Project results will be briefed to Army senior leaders to ensure recommendations are available for immediate consideration. FY 2019 to FY 2020 Increase/Decrease Statement: Decrease aligns with Army's projected need for RAND Studies and Analyses in Fiscal Year (FY) 2020.		-	4.341	2.872
Title: Research addressing forces and logistics Description: Addresses key issues for the Army, including systems and technology analysis; networks and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR); acquisition policy; force and organizational development; assessment of tactics, techniques, and procedures; supply chain management; fleet maintenance, management and modernization; and tactical, operational, and strategic logistic support		-	5.700	4.267

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2018	FY 2019	FY 2020
FY 2019 Plans: The Planned Study Program in forces and logistics will include key issues for the Army such as systems and technology analysis; networks and C4ISR; acquisition policy; force and organizational development; assessment of tactics, techniques, and procedures; supply chain management; fleet maintenance, management and modernization; and tactical, operational, and strategic logistic support.					
FY 2020 Plans: The Planned Study Program in forces and logistics will include key issues for the Army such as systems and technology analysis; networks and C4ISR; acquisition policy; force and organizational development; assessment of tactics, techniques, and procedures; supply chain management; fleet maintenance, management and modernization; and tactical, operational, and strategic logistic support.					
FY 2019 to FY 2020 Increase/Decrease Statement: Decrease aligns with Army's projected need for RAND Studies and Analyses in FY20.					
Title: Research addressing strategy, doctrine, and resources			-	9.030	5.974
Description: Addresses key issues for the Army including: current and potential threats to national interests and U.S. forces; operating environments and their implications for the Army; doctrine and operational concepts for addressing threats; operating and generating force size, scope, and mix to meet demand; building partner capabilities; learning from past and present operations; strategic risk analysis and resource policy; and Army wargames and related analyses.					
FY 2019 Plans: The Planned Study Program in strategy, doctrine, and resources includes: current and potential threats to national interests and U.S. forces; operating environments and their implications for the Army; doctrine and operational concepts for addressing threats; operating and generating force size, scope, and mix to meet demand; building partner capabilities; learning from past and present operations; strategic risk analysis and resource policy; and Army wargames and related analyses. As with other study areas, each research project is sponsored by a General Officer (or Senior Executive Service (SES) equivalent) who validates the project need and scope and directly participates in research evaluation and iterative feedback. Project results are briefed to Army senior leaders to ensure recommendations are available for immediate consideration.					
FY 2020 Plans: The Planned Study Program in strategy, doctrine, and resources will include current and potential threats to national interests and U.S. forces; operating environments and their implications for the Army; doctrine and operational concepts for addressing threats; operating and generating force size, scope, and mix to meet demand; building partner capabilities; learning from past and present operations; strategic risk analysis and resource policy; and Army wargames and related analyses.					
FY 2019 to FY 2020 Increase/Decrease Statement:					

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2018	FY 2019
Decrease aligns with Army's projected need for RAND Studies and Analyses in FY20.			
Title: FY19 SBIR/STTR Adjustment		-	0.725
FY 2019 Plans: FY19 SBIR/STTR Adjustment			
FY 2019 to FY 2020 Increase/Decrease Statement: FY19 SBIR/STTR Adjustment			
Accomplishments/Planned Programs Subtotals		19.336	19.796
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
N/A			