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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army **Date:** February 2018

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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	19.863	20.140	19.821	-	19.821	19.913	20.294	20.906	22.032	0.000	142.969
732: Arroyo Center Spt	-	19.863	20.140	19.821	-	19.821	19.913	20.294	20.906	22.032	0.000	142.969

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 its 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, the Deputy Chiefs of Staff of the Army; the Army Assistant Secretaries; and most of the Army's major commands. The Arroyo Center is provided guidance from the Army 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 project requires General Officer (or Senior Executive Service (SES) equivalent) sponsorship and involvement on a continuing basis. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	20.658	20.140	20.147	-	20.147
Current President's Budget	19.863	20.140	19.821	-	19.821
Total Adjustments	-0.795	0.000	-0.326	-	-0.326
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.785	-			
• FFRDC Transfer	-0.010	-	-	-	-
• CivPay	-	-	-0.326	-	-0.326

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018		
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 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
732: Arroyo Center Spt	-	19.863	20.140	19.821	-	19.821	19.913	20.294	20.906	22.032	0.000	142.969
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This Project 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 its 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 three major research areas: Strategy, Doctrine, and Resources; Forces and Logistics; and Personnel, Training, and Health. 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, the Deputy Chiefs of Staff of the Army; the Army Assistant Secretaries; and most of the Army's major commands. The Arroyo Center is provided guidance from the Army 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 project requires General Officer (or Senior Executive Service (SES) equivalent) sponsorship and involvement on a continuing basis. RAND Arroyo provides the Army with a unique multidisciplinary capability for independent analysis.

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

	FY 2017	FY 2018	FY 2019
Title: Research addressing manpower and training	4.899	5.093	-
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.			
FY 2018 Plans: The Planned Study program will include numerous key issues for the Army such as 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.			
FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.			
Title: Research addressing force development and technology	4.791	4.979	-

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2017	FY 2018	FY 2019
<p>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.</p> <p>FY 2018 Plans: The Planned Study Program in force development and technology will include key issues for the Army such as systems and technology analysis; networks and C4ISR; modeling and simulation; force and organizational development; acquisition policies; and assessment of tactics, techniques, and procedures.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.</p>					
<p>Title: Research addressing Army logistics</p> <p>Description: Addresses key issues for the Army, including supply chain management; fleet management and modernization; logistics force development; and infrastructure management.</p> <p>FY 2018 Plans: The Planned Study Program in Army logistics will include key issues for the Army such as supply chain management; fleet management and modernization; logistics force development; and infrastructure management.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.</p>			4.253	4.420	-
<p>Title: Research addressing strategies, doctrine, and resources</p> <p>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.</p> <p>FY 2018 Plans: The Planned Study Program in strategy, doctrine, and resources will include key issues for the Army such as 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.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement:</p>			4.682	4.361	-

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B. Accomplishments/Planned Programs (\$ in Millions)			FY 2017	FY 2018	FY 2019
FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.					
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. FY 2018 Plans: The Planned Study Program in military health will include key issues for the Army such as 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. FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.			1.238	1.287	-
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 will include numerous key issues for the Army such as total workforce management; recruiting and retention; leader development; training readiness and effectiveness; Soldier and family wellness and support. FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.			-	-	4.341
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 FY 2019 Plans:			-	-	6.450

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018
<p>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.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.</p>			
<p>Title: Research addressing strategy, doctrine, and resources</p> <p>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.</p> <p>FY 2019 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.</p> <p>FY 2018 to FY 2019 Increase/Decrease Statement: FY19 funding represents a continuation of FY18 funding adjusted for civilian pay and inflation rate assumptions. Descriptions of Planned Programs represent a revised categorization of study types, not a termination of ongoing efforts.</p>		-	-
			9.030
Accomplishments/Planned Programs Subtotals		19.863	20.140
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			
E. Performance Metrics			
N/A			