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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Defense Logistics Agency **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	14.328	5.733	11.875	1.905	-	1.905	1.896	1.906	1.922	1.962	Continuing	Continuing
03: <i>Pacific Disaster Center</i>	14.328	5.733	11.875	1.905	-	1.905	1.896	1.906	1.922	1.962	Continuing	Continuing

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

The Pacific Disaster Center (PDC) is a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. It is functionally within the organization of the Office of the Under Secretary of Defense (Acquisition and Sustainment) (OUSD(A&S)) and the Defense Logistics Agency (DLA). The PDC is a world-recognized authority and leader in science and information technology applications relating to humanitarian assistance and disaster relief (HA/DR). PDC develops new and innovative technologies to operate an (unclassified) integrated multi-hazard monitoring, early warning and decision support system, called DoD RAPIDS, for the Department.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	1.799	1.875	1.896	-	1.896
Current President's Budget	5.733	11.875	1.905	-	1.905
Total Adjustments	3.934	10.000	0.009	-	0.009
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	4.000	10.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.066	-			
• Non-labor Inflation	-	-	0.009	-	0.009

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

**Project:** 03: *Pacific Disaster Center*

Congressional Add: *Global Water Security Center*

	<b>FY 2022</b>	<b>FY 2023</b>
Congressional Add Subtotals for Project: 03	4.000	10.000
Congressional Add Totals for all Projects	4.000	10.000

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Defense Logistics Agency										<b>Date:</b> March 2023		
<b>Appropriation/Budget Activity</b> 0400 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>				<b>Project (Number/Name)</b> 03 / <i>Pacific Disaster Center</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
03: <i>Pacific Disaster Center</i>	14.328	5.733	11.875	1.905	-	1.905	1.896	1.906	1.922	1.962	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The PDC has provided operational support for an (unclassified) integrated multi-hazard hazard monitoring, early warning and decision support system, called RAPIDS, for the department since 2007. The system, covering global hazard is frequently used by COCOMS, particularly INDOPACOM and SOUTHCOM, for HA/DR missions and exercises, and was recently selected as one of the most effective systems in a position paper by the department, reviewing all unclassified information sharing systems. "Expanded use of RAPIDS across the DoD at the Combatant Commands, Joint Task Force, and by deployed units from the services" was identified as "a primary Joint Staff objective" in a memorandum dated July 6, 2017. RAPIDS is also regularly used at the National Guard Bureau Joint Operations Center for monitoring events and crises of interest.

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

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b>Title:</b> Pacific Disaster Center (PDC)	1.733	1.875	1.905
<p><b>Description:</b> The Under Secretary of Defense for Acquisition and Sustainment, (USD(A&amp;S)), is the Operational Sponsor and functional Office of Secretary of Defense (OSD) Principal Staff Assistant (PSA) for the program. USD(A&amp;S) will continue to provide acquisition oversight authority for the program.</p> <p>The PDC has been in operation since February 1996, as a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. Pacific Disaster Center (PDC) functions, manpower, and budget resources transferred to the OUSD (A&amp;S) and the Defense Logistics Agency (DLA) in October 2011.</p> <p>The PDC is a world-recognized authority and leader in science and information technology applications relating to humanitarian assistance and disaster relief (HA/DR). PDC's applications and information products enhance preparedness, situational awareness, and civil-military communications for humanitarian missions worldwide, while its national-level socio-economic Risk and Vulnerability Assessments help inform strategies by measuring indicators for national resiliency using scientific methods. The DLA J35, Plans Executive Directorate oversees program management responsibilities related to the PDC. The Program Manager's primary responsibility is for management and stewardship of governmental funds provided in Defense Department appropriations for DoD missions associated with DoD CrM, HA/DR, Theater Security Cooperation, and Defense Support to Civil Authorities (DSCA). In doing this, the Program Management Office develops and provides policy, oversight and guidance, and jointly develops strategic guidelines, programmatic content and priorities with the UH and PDC. The PDC Program Office also serves as a support element of the Hawaii-based organization especially in the area of gaining Federal agency support and resources, as well as business opportunities.</p>			

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<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>	<b>Project (Number/Name)</b> 03 / <i>Pacific Disaster Center</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
In 2022, the Pacific Disaster Center was recognized as the winner of the United Nations Sasakawa Award for its global efforts related to disaster risk reduction.			
<b><i>FY 2023 Plans:</i></b> The FY 2023 Annual Plan was published and presented during the Program Management Review in December 2022. Program efforts are to continue modernization and sustainment of the DisasterAWARE system to support the DoD's Risk Assessment, Planning and Incidents Decision support (RAPIDS) as well as Emergency Management Operations (EMOPS) (supporting the Department's and it's partner's Humanitarian assistance and Disaster Recovery (HA/DR) and Defense Support of Civil Authorities (DSCA) missions.			
<b><i>FY 2024 Plans:</i></b> FY 2024 Annual Plan will be developed and presented during the Program Management Review in December 2023.			
<b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Congressional add of \$10 million was provided in FY 2023 for global water security center.			
<b>Accomplishments/Planned Programs Subtotals</b>	1.733	1.875	1.905

	<b>FY 2022</b>	<b>FY 2023</b>
<b><i>Congressional Add:</i></b> Global Water Security Center	4.000	10.000
<b><i>FY 2022 Accomplishments:</i></b> The Global Water Security Center (GWSC) was approved by The University of Alabama's Board of Trustees in June 2021 under the auspices of the University of Alabama's Alabama Water Institute (AWI). Through ground-breaking research and analysis, operationalizing applied science, and developing and implementing best practices in risk communications, GWSC will create the most reliable water and environmental security-related information, tools, and analysis. By communicating to key U.S. decision-makers in contextually appropriate ways, GWSC will aid U.S. water security interests and improve outcomes like water access, food security, economic opportunities, and health. The center's key stakeholders could include: DoD, Intelligence Community, State Department, Coast Guard, USGS, NOAA, FEMA, Red Cross, USAID, and many other academia and private stakeholders.		
The Global Water Security Center's objectives include: 1) Advancing water and environmental security science by facilitating research through collaborative partnerships with academia, government, and industry. 2) Develop and maintain water and environmental security information and data that are consistent, up-to-date, and reliable. This will improve engagement with partners while encouraging them to integrate the information into key national security work.		

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2024 Defense Logistics Agency	<b>Date:</b> March 2023
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<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>	<b>Project (Number/Name)</b> 03 / <i>Pacific Disaster Center</i>
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	FY 2022	FY 2023
3) Advance water and environmental security science by facilitating research through collaborative partnerships with academia, government, and industry.		
<b><i>FY 2023 Plans:</i></b> The Global Water Security Center (GWSC) will to deliver data, information, knowledge, and training to help key decision makers understand the connection between water security and national security and to leverage that knowledge to achieve their missions. Through modeling for Water and Climate Security Impacts, the GWSC will support science applications and analysis of environmental (in)security within the water, food, energy, and health nexus. In addition, the GWSC will support diverse organizations like CCMDs, OSD, Joint Staff, and military services anticipate the data and products can be force multipliers.		
<b>Congressional Adds Subtotals</b>	4.000	10.000

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

N/A

**Remarks**

**D. Acquisition Strategy**

PDC projects beyond the baseline Situational Awareness & Decision Support Applications/Tools architecture (Atlas/DisasterAWARE Pro/RAPIDS) undertaken in support of the DoD Cooperative Agreement (CA) with the University of Hawaii (UH) are from PDC customers (e.g., DoD, NGOs, other nations, academia, and industry). The PDC prepares the public, disaster managers, governments, and others to mitigate the effects of disasters. The goal is to have people and technology work together to preserve life, safeguard livelihoods, protect property to foster disaster-resilient communities. Projects obtained and funded from this customer base serve as a means to determine PDC product and services relevancy. PDC's expanded risk assessments to include scientific measure of Fragility profiles and Women, Peace, and Security (WPS) are received by DoD and other national policy makers as a base to inform the strategic decision-making process.



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**Exhibit R-4, RDT&E Schedule Profile:** PB 2024 Defense Logistics Agency **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>	<b>Project (Number/Name)</b> 03 / <i>Pacific Disaster Center</i>
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	FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<b><i>Pacific Disaster Center</i></b>																												
Pacific Disaster Center (PDC)																												

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2024 Defense Logistics Agency **Date:** March 2023

<b>Appropriation/Budget Activity</b> 0400 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0708012S / <i>Pacific Disaster Center</i>	<b>Project (Number/Name)</b> 03 / <i>Pacific Disaster Center</i>
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Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Pacific Disaster Center</i></b>				
Pacific Disaster Center	1	2022	4	2028