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

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</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	12.608	1.720	5.733	1.875	-	1.875	1.896	1.885	1.893	1.907	Continuing	Continuing
03: <i>Pacific Disaster Center</i>	12.608	1.720	5.733	1.875	-	1.875	1.896	1.885	1.893	1.907	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Pacific Disaster Center (PDC) has been in operation since February 1996. The 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. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	1.785	1.799	0.000	-	0.000
Current President's Budget	1.720	5.733	1.875	-	1.875
Total Adjustments	-0.065	3.934	1.875	-	1.875
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	4.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.065	-0.066			
• Adjustments to Budget Year	-	-	1.875	-	1.875

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

Project: 03: *Pacific Disaster Center*

Congressional Add: *Global Water Security Center*

Congressional Add Subtotals for Project: 03

Congressional Add Totals for all Projects

	FY 2021	FY 2022
	-	4.000
Congressional Add Subtotals for Project: 03	-	4.000
Congressional Add Totals for all Projects	-	4.000

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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Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>				Project (Number/Name) 03 / <i>Pacific Disaster Center</i>			
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
03: <i>Pacific Disaster Center</i>	12.608	1.720	5.733	1.875	-	1.875	1.896	1.885	1.893	1.907	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 PACOM 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)

	FY 2021	FY 2022	FY 2023
Title: Pacific Disaster Center (PDC)	1.720	1.733	1.875
<p>Description: The Under Secretary of Defense for Acquisition and Sustainment, (USD(A&S)), is the Operational Sponsor and functional Office of Secretary of Defense (OSD) Principal Staff Assistant (PSA) for the program. USD(A&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&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 J32, Strategic Programs and Integration office 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. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
<p>FY 2022 Plans: The FY 2022 Annual Plan was published and presented during the Program Management Review in December 2021. Continue to modernize and sustain the DisasterAWARE system to support the DoD's Risk Assessment, Planning and Incidents Decision Support (RAPIDS) as well as DisasterAWARE Pro (supporting the Department's and it's partner's Humanitarian Assistance and Disaster Recovery (HA/DR) and Defense Support of Civil Authorities (DSCA) missions. The plan is also moved to emphasize integration of climate change information, AI tools, and asset protection in support of DoD stakeholders and their missions as part of the new CA strategic alliance with the DoD.</p> <p>FY 2023 Plans: FY 2023 Annual Plan is to be determined.</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Decrease from FY 2022 to FY 2023 is due to the FY 2022 Congressional Add of \$4 million for Global Water Security Center.</p>			
Accomplishments/Planned Programs Subtotals	1.720	1.733	1.875

	FY 2021	FY 2022
<p>Congressional Add: Global Water Security Center</p> <p>FY 2022 Plans: 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.</p> <p>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.</p>	-	4.000

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	FY 2021	FY 2022
3) Advance water and environmental security science by facilitating research through collaborative partnerships with academia, government, and industry.		
Congressional Adds Subtotals	-	4.000

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 2023 Defense Logistics Agency **Date:** April 2022

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	FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026			
	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
<i>Pacific Disaster Center</i>																												
Pacific Disaster Center (PDC)																												